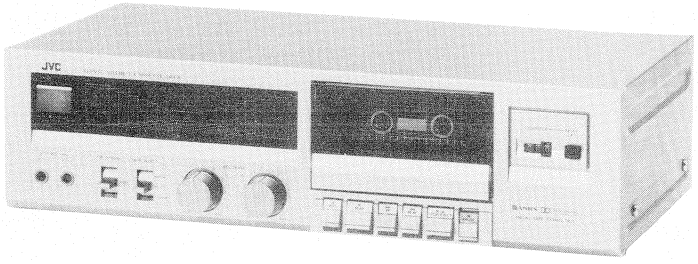
JVC

SERVICE MANUAL

MODEL

KD-V11 A/B/C/E/E(D)/J/U

STEREO CASSETTE DECK



No. 4216
December 1982

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Features

- ANRS/Dolby* B NR greatly reduce tape hiss noise.
- Metal tape compatible
- 2-color LED peak level indicator
- Full auto-stop mechanism
- Geared and oil-damped cassette door
- Automatic input select
- REC indicator provided

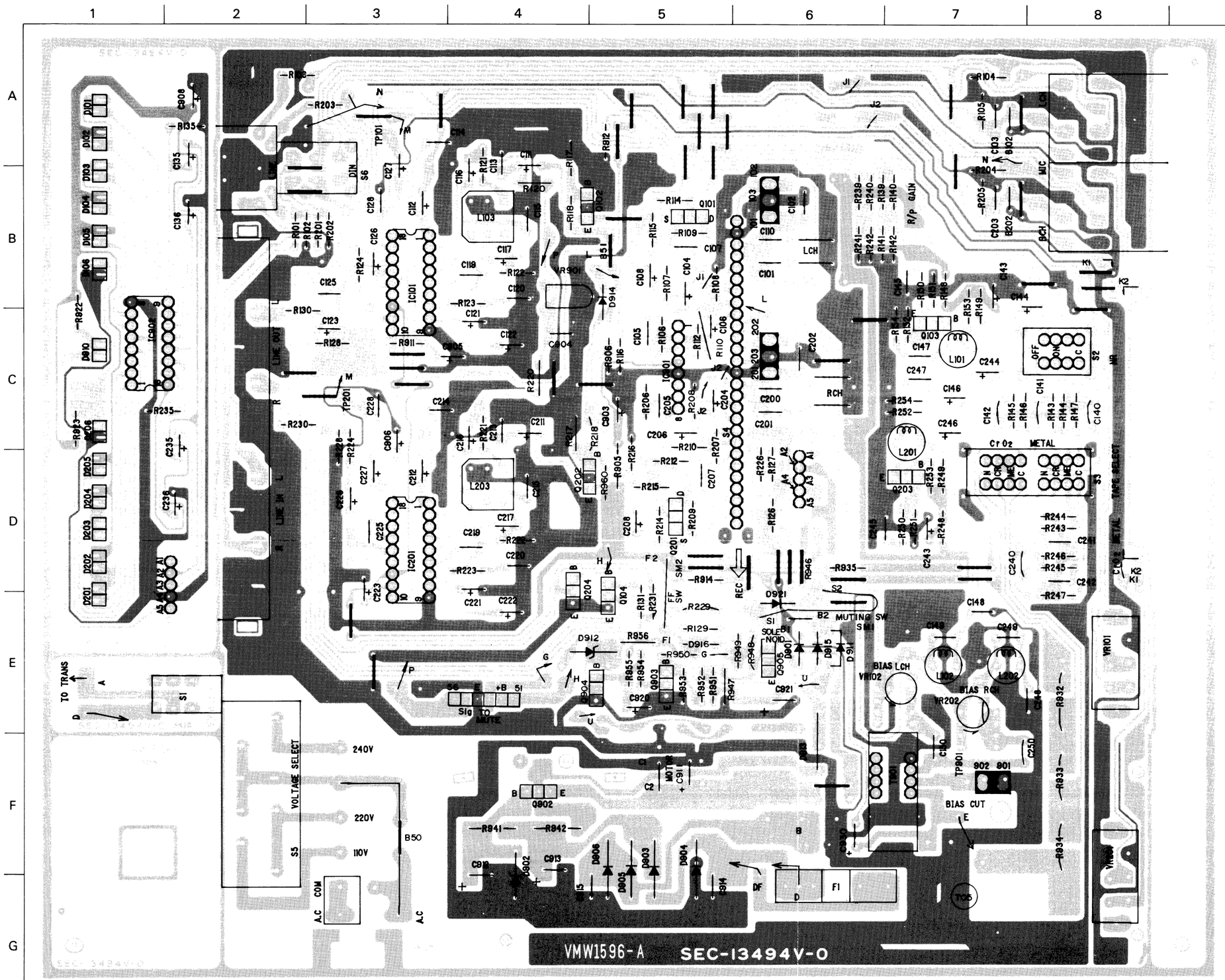
* "Dolby" and the double-D symbol are the trademark of Dolby Laboratories Licencing Corporation.

Specifications

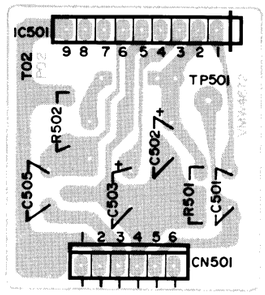
Type : Stereo cassette deck
Track system : 4-track, 2-channel
Tape speed : 1-7/8 inch/sec (4.8 cm/sec)
Frequency response: (0 dB recording)
Metal tape *1;
40–11,000 Hz (± 3 dB)
Chrome tape *2;
40–8,000 Hz (± 3 dB)
Normal tape *3;
40–8,000 Hz (± 3 dB)
(–20 dB recording)
Metal tape *1;
40–15,000 Hz (± 3 dB)
Chrome tape *2;
40–15,000 Hz (± 3 dB)
Normal tape *3;
40–14,000 Hz (± 3 dB)
Note: *1 . . . JVC ME or Equivalent
*2 . . . TDK SA or Equivalent
*3 . . . MAXELL UD or Equivalent
S/N ratio : 58 dB (S = 1 kHz, K3 = 3%,
N = A-Weight, Metal tape)
The S/N is improved by 5 dB at 1 kHz and by 10 dB above 5 kHz with ANRS/DOLBY B NR on.
Wow and flutter : 0.08 % (WRMS),
0.20 % (DIN 45 500)
Crosstalk : 60 dB (1 kHz)
Harmonic distortion: K3; 0.5 %, THD; 1.0 %
(metal tape, 1 kHz 0 dB)
Heads : METAPERM head for recording/playback,
2-gap ferrite head for erasure
Motor : Electronic governed DC motor
Fast forward time : 100 sec. with C-60 cassette
Rewind time : 100 sec. with C-60 cassette
Input terminals
Mic jack x 2 : Max. sensitivity; 0.4 mV (–68 dBV)
Matching impedance; 600 Ω – 10 kΩ
Input jack x 2 : Min. input level; 80 mV
Input impedance; 100 kΩ
Output terminals
Output jack x 2 : Output level; 300 mV
Output impedance; 5 kΩ
Power requirement : AC 240 V, 50/60 Hz (KD-V11A/B)
AC 120 V, 60 Hz (KD-V11C/J)
AC 220 V, 50/60 Hz
(KD-V11E/E(D))
AC 240/220/110 V, 50/60 Hz
(KD-V11U)
Power consumption: With power on; 10 W
With power switch off; 0.8 W
Weight : 7.7 lbs (3.5 kg)

Design and specifications are subject to change without notice.

P.W. Board Parts



11E(E) Only MS, PWB



+B

Earth

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⚠	Ref. No.	Parts No.	Parts Name	Remarks
	VR101,201	QVF0A2A-054	V. Resistor	Rec., Input
	VR102,202	QVP4A0B-104	"	Bias Control
	L101, 201	VQP0001-562S	Inductor	
	L102, 202	" -183S	"	
	L103, 203	VQZ0016-001	MPX Filter	
	T901	VGC0006-001	Osc. Block	
	S2	QSL2209-002	Lever Switch	NR Switch
	S3	QSL4309-021	Lever Switch	Tape Select
		VMJ3004-102	Jack Ass'y	Pin Jack
	S4	QSS9201-005R	Slide Switch	Rec/P.B.
		VKL5002-001	Heat Sink	for Q902 except KD-V11U
		VMH4003-003	"	for Q902 KD-V11U
		QMS6313-007	Mic Jack	Mic, H.phone Ass'y Jack KD-V11A/B/C/E/E(D)/E(E)/J/U
		QMS6313-012	"	Mic,H.phone Ass'y jack KD-V11NA/B/C/E/U
	Q101, 201	2SK246(GR,BL)	F.E.T.	
	Q102, 202	2SC1684(R,S)	Si. Transistor	KD-V11E(D)/NE(D)
	Q103, 203	2SC2634(R,S)	"	
	Q104, 204	2SC1684(R,S)	"	
⚠	Q902	2SC1162(B,C)	"	
	Q903, 904	2SC1684(R,S)	"	
	Q905	2SC1317(R,S)	"	KD-V11E(E)
	IC101,201	AN7363N	I.C.	
	IC901	μPC1228H	"	
	D901	1SS119	Si. Diode	
⚠	D902	RD12E(B2)	Ze. Diode	
⚠	D903, 904	10E1	"	
⚠	D905–906	"	"	
	D911	1SS119	Si. Diode	
	R912	RD6.8E(B3)	Ze. Diode	
	D913	10E1	Si. Diode	
	D914	1SS119	"	KD-V11E(D)/NE(D)
	D915	"	"	KD-V11E(E)
	D916	"	"	KD-V11E(E)
	D921	DS442	"	KD-V11E(E)

⚠ parts are safety assurance parts.
When replacing those parts, make sure to use the specified one.

⚠	Ref. No.	Parts No.	Parts Name	Remarks
	VR901	QVZ1802-103	V. Resistor	KD-V11E(E)
		TAZ000331-02		for F1 except KD-V11C/J/NC/NJ
	[LED P.W. Board]			
	R135, 235	QRD161J-103	C. Resistor	
	R922	" -102	"	
	R923	QRD121J-331	"	
	C135, 235	QET41HR-475	E. Capacitor	
	C136, 236	QET41ER-226	"	
	C908	" -106	"	
	IC902	IR2E27A	I.C.	
	D101–103	GL-9PR72	LED	
	D201–203			
	D104–106	GL-9EG792	"	
	D204–206			
	D910	GL-9PR72	"	
		QMC9014-007	DIN Socket	
⚠	S1	QSP2210-061	Push Switch	
⚠	F1	QMF51A2-R63	Fuse	KD-V11A/E/E(D)/E(E)/EU
				KD-V11NA/NE/NE(D)/NE(E)/NU
⚠	F	QMF51A2-R63BS	"	KD-V11NB, KD-V11B
	[M.S. P.W. Board] (KD-V11E(E) NE(E) ONLY)			
	R501	QRD161J-394	C. Resistor	
	R502	" -103	"	
	C501	QFN41HR-103	M.Capacitor	
	C502	QFV41HJ-224	"	
	C503	QET41HR-104	E.Capacitor	
	C505	QEN51HA-106	"	
	IC501	LA2000S	I.C.	
	CN501	QMV5004-006	Connector	

Enclosure Assembly and Electrical Parts List

⚠	Ref. No.	Parts No.	Parts Name	Remarks	Q'ty
	1	VKL5391-001	Bracket		1
	2, 7	ZCKDV11Y-CBF	Front Panel Assembly	KD-V11A/B/C/E/E(D)/E(E)/J/U	1
	"	ZCKDV11NY-CBF	"	KD-V11NA/NB/NC/NE/NE(D)/NE(E)/NJ/NU	1
	2	VJC1280-002UL	Front Panel	KD-V11C/J	1
	"	" -001	"	KD-V11A/B/E/E(D)/E(E)/U	1
	"	" -004	"		1
	"	" -005UL	"	KD-V11NA/NB/NE/NE(D)/NE(E)/NU	1
	4	TFB313563-02	Plate Nut	KD-V11NC/NJ	1
	5	VYH5033-002	Damper Holder		1
	6	VYH4769-001	Gear	(Grease G-332)	1
	7	VJD3400-002	LED Lens	KD-V11A/B/E/E(D)/U	1
	"	" -003	"	KD-V11C/E(E)/J	1
	"	" -005	"	KD-V11NJ	1
	"	" -006	"	KD-V11NA/NB/NC/NE/NE(D)/NE(E)/NU	1
	8	VKC5165-001T	Tape Counter		1
	9	VKB3000-053	Belt	for Counter	1
	10	VKZ5383-001	Counter Bracket		1
	11	VJT2083-001	Cassette Holder		1
	12–13	ZCKDV11Y-CCA	Cassette Lid Assembly		1
	"	" NY-CCA	"		1
	12	VJT3110-001	Cassette Lid		1
	13	VJD4684-001	Lid Plate	KD-V11A/B/C/E/E(D)/J/U	1
	"	" -003	"	KD-V11E(E)	1
	"	" -004	"	KD-V11NA/NB/NC/NE/NE(D)/NJ/NU	1
	14	VKY4295-001	Cassette Spring		2
	15	VKY4397-001	Holder Spring		1
	16	VKY4252-001	Cassette Spring		1
	17	VJD3401-001	Mecha. Plate		1
	18	VXP3084-002	Push Knob	for Power KD-V11A/B/C/E/E(D)/E(E)/J/U	1
	"	" -003	"	" KD-V11NA/NB/NC/NE/NE(D)/NE(E)/NJ/NU	1
	19	VXQ4057-001	Select Knob	for Tape and NR Except KD-V11NJ	2
	"	" -002	"	" KD-V11NJ	2
	20	VKL4191-001	Volume Knob	Except KD-V11NJ	2
	"	" -002	"	KD-V11NJ	2
	21	VXP3094-001	Push Button	for Rec. Except KD-V11NJ	1
	"	" -007	"	" KD-V11NJ	1
	22	" -002	"	for Play Except KD-V11NJ	1
	"	" -008	"	" KD-V11NJ	1
	23	" -003	"	for Rew. Except KD-V11NJ	1
	"	" -009	"	" KD-V11NJ	1
	24	" -004	"	for FF Except KD-V11NJ	1
	"	" -010	"	" KD-V11NJ	1
	25	" -005	"	for Stop/Eject Except KD-V11NJ	1
	"	" -011	"	" KD-V11NJ	1
	26	" -006	"	for Pause Except KD-V11NJ	1
	"	" -012	"	" KD-V11NJ	1
	27	VJC1281-002	Top Cover	KD-V11A/B/C/E/E(D)/E(E)/J/U/NJ/NU	1
	"	" -003	"	KD-V11NA/NB/NC/NE/NE(D)/NE(E)	1
	28	VJC2112-001	Bottom Cover		1
	29	VJF4003-002	Foot		4
	30	VKW4398-002	Rec. Wire		1
	31	VYN2112-002PA	Name Plate	KD-V11B	1
	"	" -003PA	"	KD-V11A	1
	"	" -004PK	"	KD-V11C	1
	"	" -005PA	"	KD-V11E/E(D)	1
	"	" -006PA	"	KD-V11J	1
	"	" -007PA	"	KD-V11U	1
	"	" -109PA	"	KD-V11E(E)	1
	"	" -111PA	"	KD-V11E(SP)	1
	"	" -022PA	"	KD-V11NB	1

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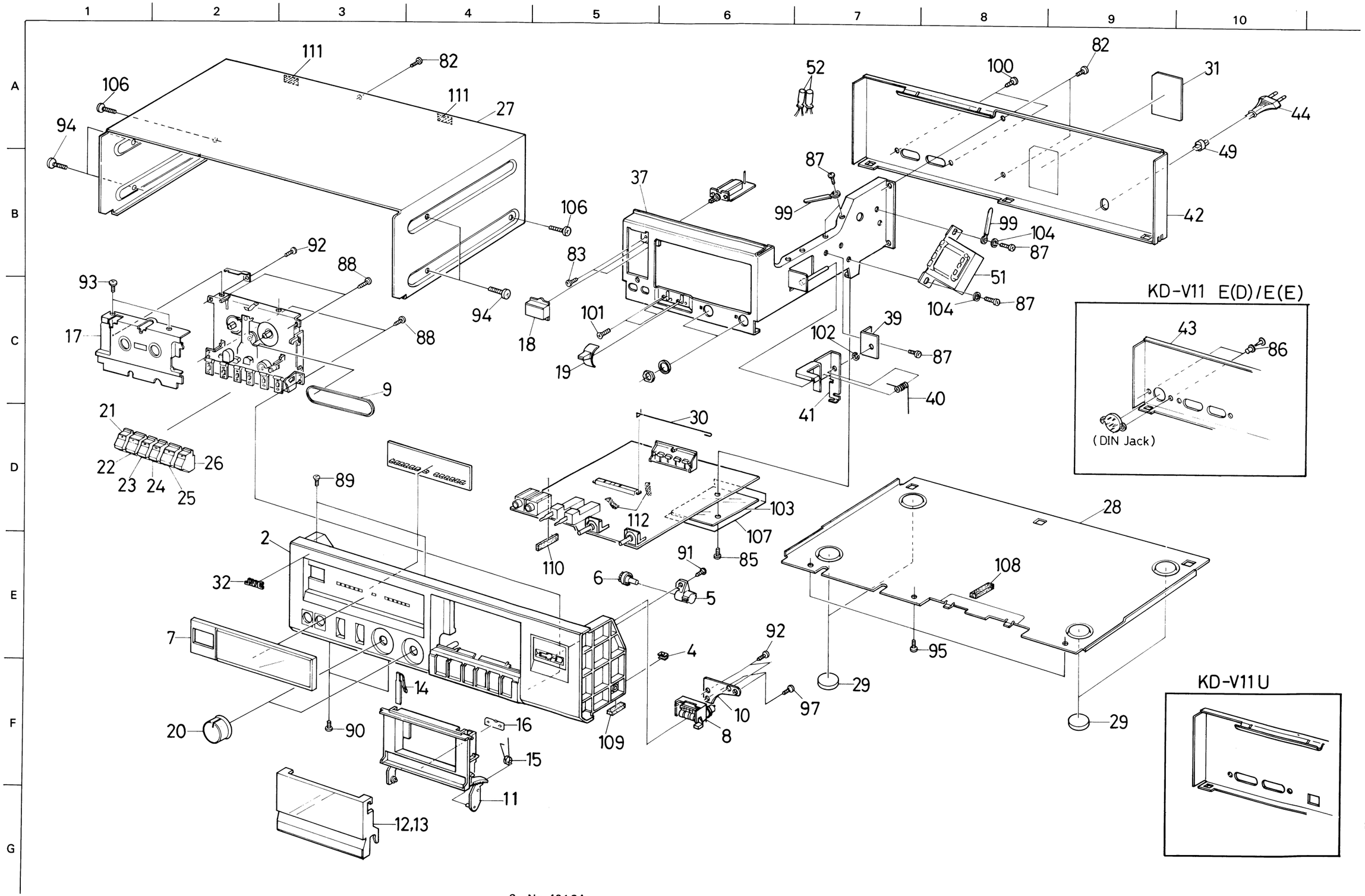
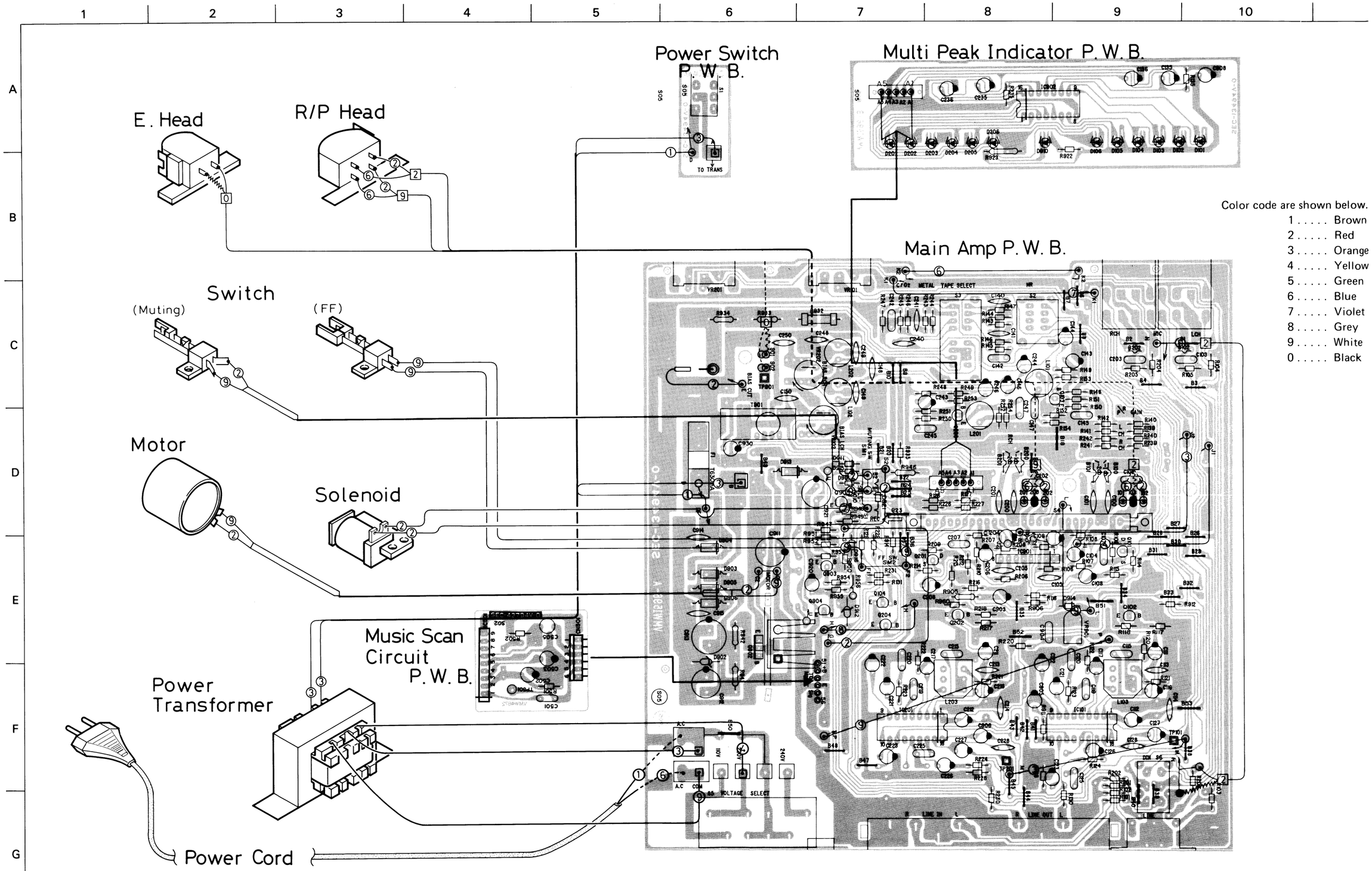
⚠	Ref. No.	Parts No.	Parts Name	Remarks	Q'ty
	31	VYN2112-023PA	Name Plate	KD-V11NA	1
	"	" -024PA	"	KD-V11NC	1
	"	" -025PA	"	KD-V11NE/NE(D)	1
	"	" -026PA	"	KD-V11NJ	1
	"	" -029PA	"	KD-V11NE(E)	1
	32	E69212-001	JVC Mark		1
	37	VKL2188-001	Amp. Chassis		1
	39	VKL5384-001	Rec. Bracket		1
	40	VKW4399-001	Rec. Spring		1
	41	VKL5385-001	Rec. Arm		1
	42	VJC2113-001	Rear Panel	KD-V11A/B/E, KD-V11NA/NB/NE	1
	"	" -002	"	KD-V11E(D)/E(E), KD-V11NE(D)/NE(E)	1
	"	" -008	"	KD-V11E(SP)	1
	43	" -003	"	KD-V11U, KD-V11NU	1
⚠	44	QMP9017-008BS	Power Cord	KD-V11B, KD-V11NB	1
⚠	"	QMP2560-200	"	KD-V11A, KD-V11NA	1
⚠	"	QMP1200-200	"	KD-V11C/J, KD-V11NC/NJ	1
⚠	"	QMP3900-200	"	KD-V11E/E(D)/E(E)/E(SP)/NE/NE(D)/NE(E)	1
⚠	"	QMP7600-200	"	KD-V11U, KD-V11NU	1
⚠	49	QHS3876-162	Strain Relief	Except KD-V11B, KD-V11NB	1
⚠	"	" -162BS	"	KD-V11B, KD-V11NB	1
⚠	51	VTP54M2-011B,BS	Power Transformer	KD-V11B, KD-V11NB	1
⚠	"	VTP54T2-021B	"	KD-V11A, KD-V11NA	1
⚠	"	VTP54A2-021B	"	KD-V11C/J, KD-V11NC/NJ	1
⚠	"	VTP54M2-011B	"	KD-V11E(E(D)/E(E)/E(SP)/NE/NE(D)/NE(E)	1
⚠	"	VTP54N2-011B	"	KD-V11U, KD-V11NU	1
⚠	52	TAW000504-01	Connector	KD-V11C/J, KD-V11NC/NJ	2
	82	SDST3006R	Screw	Rear Panel x 2, Top Cover x 1	3
	83	SDST3006Z	"	Power SW. Ass'y	2
	85	SDST3006Z	"		1
	86	E48729-002	Plastic Rivet	for DIN Socket	2
	87	SDST3006Z	Screw	Rec. Bracket x 1, P. Trans. x 2, Wire Holder x 2	5
	88	SDSF3008Z	"	Mechanism x 4	4
	89	SDST3008Z	"	Front x 2	2
	90	SSST3008Z	"	Front x 2	2
	91	SDSF3008Z	"	Damper x 1	1
	92	SDSF2605Z	"	Counter x 2, Wire Holder x 1	2
	93	SDST2604Z	"	Mecha. Plate x 2	2
	94	SDSB4012R	"	Top Cover	4
	95	SDSB3008Z	"	Bottom Cover	3
	96				
	97	SSSF3008Z	Screw	Counter Bracket x 2	2
	99	VKZ4001-011	Wire Holder		3
	100	SDSF3008R	Screw	for Jack	2
	101	SSSP3006Z	"	for Switch	2
	102	REE3000	E-ring	Rec. Arm	1
	103	VMA4177-002	Insulator	KD-V11A/B/E/E(D)/E(E)	1
				KD-V11U	2
	104	Q03091-105	Spacer		2
	105	VYSS1R3-001	"		
	106	SDSB4010R	Screw	Top Cover	2
	107	VMA4181-001	Insulator	KD-V11A/B/E/E(D)/E(E)	1
	108	VYSR108-001	Spacer		1
	109	VYSR105-005	Spacer		1
	110	VYSR102-022	Spacer		1
	111	VYSR101-015	Spacer		2
	112	VYSA1R6-042	Spacer		2

Enclosure Assembly and Electrical Parts



Wiring Connections



KD-V11A/B/C/E/E(D)/J/U

Mechanical Component Parts List

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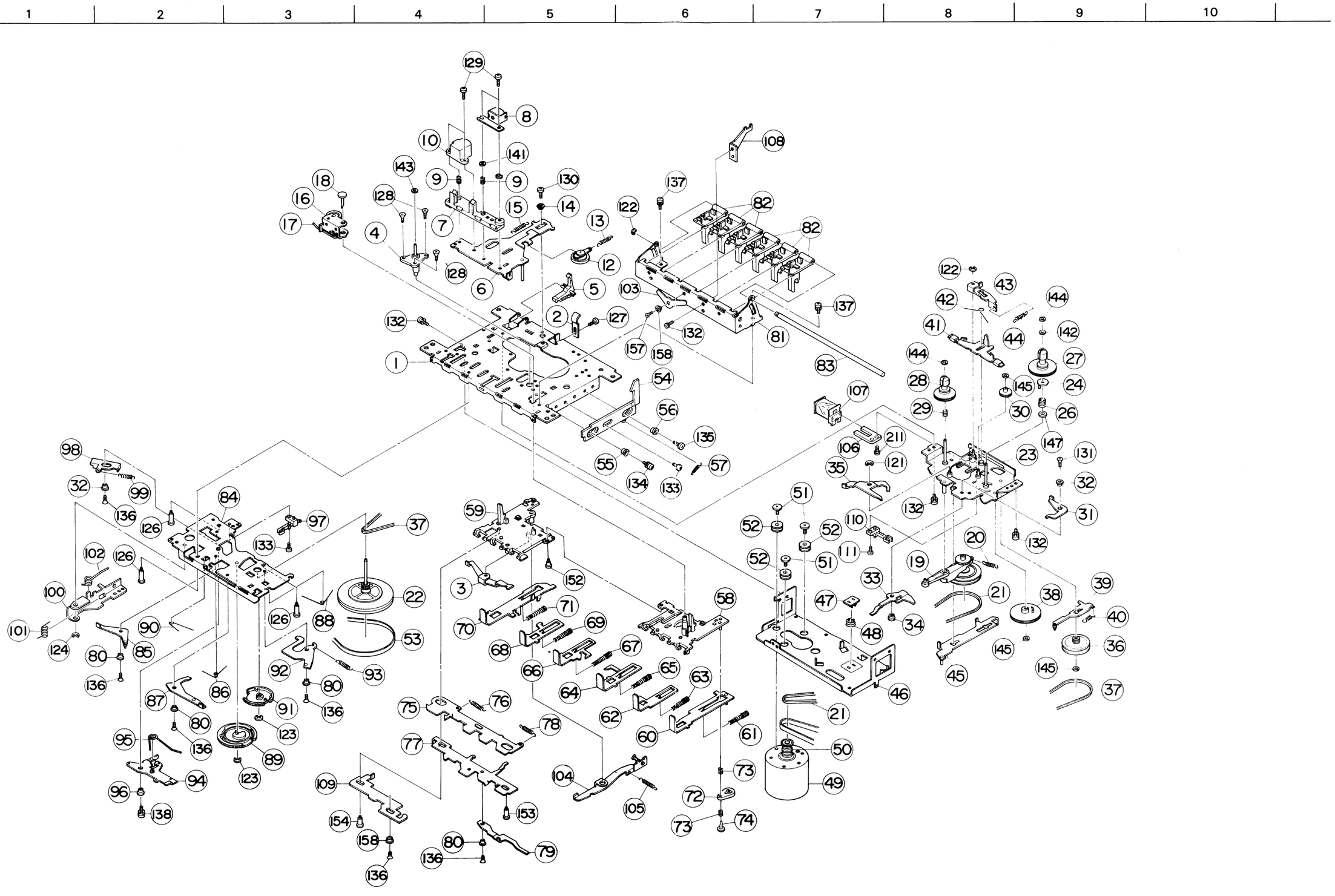
Ref. No.	Parts No.	Parts Name	Remarks	Q'ty
1	18200101T	Chassis Base		1
2	18200102T	Pack Spring		1
3	18200202T	Rec. Stopper		1
4	18201207T	FL. Metal		1
5	18000201T	Rec. Safety Lever		1
6	182003501ZT	Head Panel Ass'y		1
7	18200311T	Head Base		1
8	VGH0421-014	R/P Head		1
9	14400315T	Head Spring		2
10	VGH0212-104	E. Head		1
11	–	–		–
12	182003301ZT	Take-up Roller Plate Ass'y		1
13	18200312T	Spring	for T. Roller Plate	1
14	17100319AT	Head Panel Collar		1
15	18200302T	Spring	for Head Panel	1
16	182004303ZT	Pinch Roller Ass'y		1
17	18200403T	Pinch Roller Spring		1
18	17152015T	Stopper		1
19	182007301ZT	RF. Clutch Ass'y		1
20	18200704T	RF. Clutch Arm Spring		1
21	17150606T	RF. Belt		1
22	182012301ZT	Flywheel Ass'y		1
23	182005501ZT	Reel Bracket Ass'y		1
24	18200814T	A.S. Detect Piece		1
25	–	–		–
26	18200817T	A.S. Detect Piece Spring		1
27	182006301ZT	Take-up Reel Ass'y		1
28	182006302ZT	Supply Reel Ass'y		1
29	18200608T	Back Tension Spring		1
30	18000610T	F.F. Gear		1
31	18200910T	T.R. Kick Lever		1
32	18200806T	Collar		2
33	18200805T	Auto Lever		1
34	18200811T	Auto Lever Collar		1
35	18200911T	Kick Lever		1
36	18200801T	Pulley		1
37	18200809T	Auto Stop Belt		1
38	18200802T	Cam Gear		1
39	18200803T	Detect Lever		1
40	18200810T	Detect Lever Spring		1
41	182009301ZT	Brake Arm Ass'y		1
42	18200902T	Brake Spring		1
43	18200905T	A.S. Guard Lever		1
44	18200909T	A.S. Guard Lever Spring		1
45	18200903T	RF. Slide Lever		1
46	18201301T	FM Bracket		1
47	18201302T	FL. Thrust Plate		1
48	18201310T	Thrust Spring		1
⚠ 49	MMI-6A2LKUA	Motor		1
50	18201304T	Motor Pulley		1
51	18201305T	Collar Screw		3
52	18201306T	Rubber Cushion		3
53	18201303T	Main Belt		1
54	18201401T	Eject Slide Lever		1
55	18201402T	Collar		1
56	18201403T	Collar		1
57	15590306T	Spring	for Eject Slide Lever	1
58	18201001T	Button Base (L)		1
59	18201002T	" (R)		1
60	182010501ZT	Pause Button Lever Ass'y		1
61	18000903T	Button Lever Spring		1
62	18201022T	Stop Button Lever		1
63	18201027T	Button Lever Spring		1
64	18201021T	F.F. Button Lever		1
65	18000903T	Button Lever Spring		1
66	18201020T	RWD. Button Lever		1
67	18201026T	Button Lever Spring		1
68	18201019T	Play Button Lever		1
69	18201026T	Button Lever Spring		1
70	18201018T	Rec. Button Lever		1
71	18201026T	Button Lever Spring		1
72	18201041T	Pause Lever		1
73	18201034T	Pause Lever Spring		1
74	18201032T	Stopper		1
75	18201042T	Button Cam		1
76	15100929T	Spring	for Button Cam	1
77	18201010T	Switch Cam		1
78	18201031T	Spring	for Switch Cam	1
79	18201011T	Eject Kick Lever		1
80	18200806T	Collar		5
81	18201015T	Bottom Frame		1
82	18201028T	Function Lever		6
83	18201016T	Lever Shaft		1
84	182011501ZT	Sub Chassis Ass'y		1
85	182011502ZT	M. Trigger Arm Ass'y		1
86	18201126T	M. Trigger Arm Spring		1
87	182011503ZT	P. Trigger Arm Ass'y		1
88	18201127T	P. Trigger Arm Spring		1
89	18201103T	Main Gear		1
90	18201131T	Main Gear Spring		1
91	18201104T	Pause Gear		1
92	182011504ZT	Pause Arm Ass'y		1
93	17000932T	Spring	for Pause Arm	1
94	182011505ZT	Lift Arm Ass'y		1
95	18201129T	Lift Arm Spring		1
96	18201130T	Lift Arm Collar		1
97	64010107T	Leaf Switch	MSW-1412T	1
98	18201121T	Rec. Function Plate		1
99	17001612T	Spring	for Rec. Function Plate	1
100	18201122T	Rec. Arm		1

To be continued on page 10

Mechanical Component Parts of KD-V11E(E) and KD-V11NE(E)



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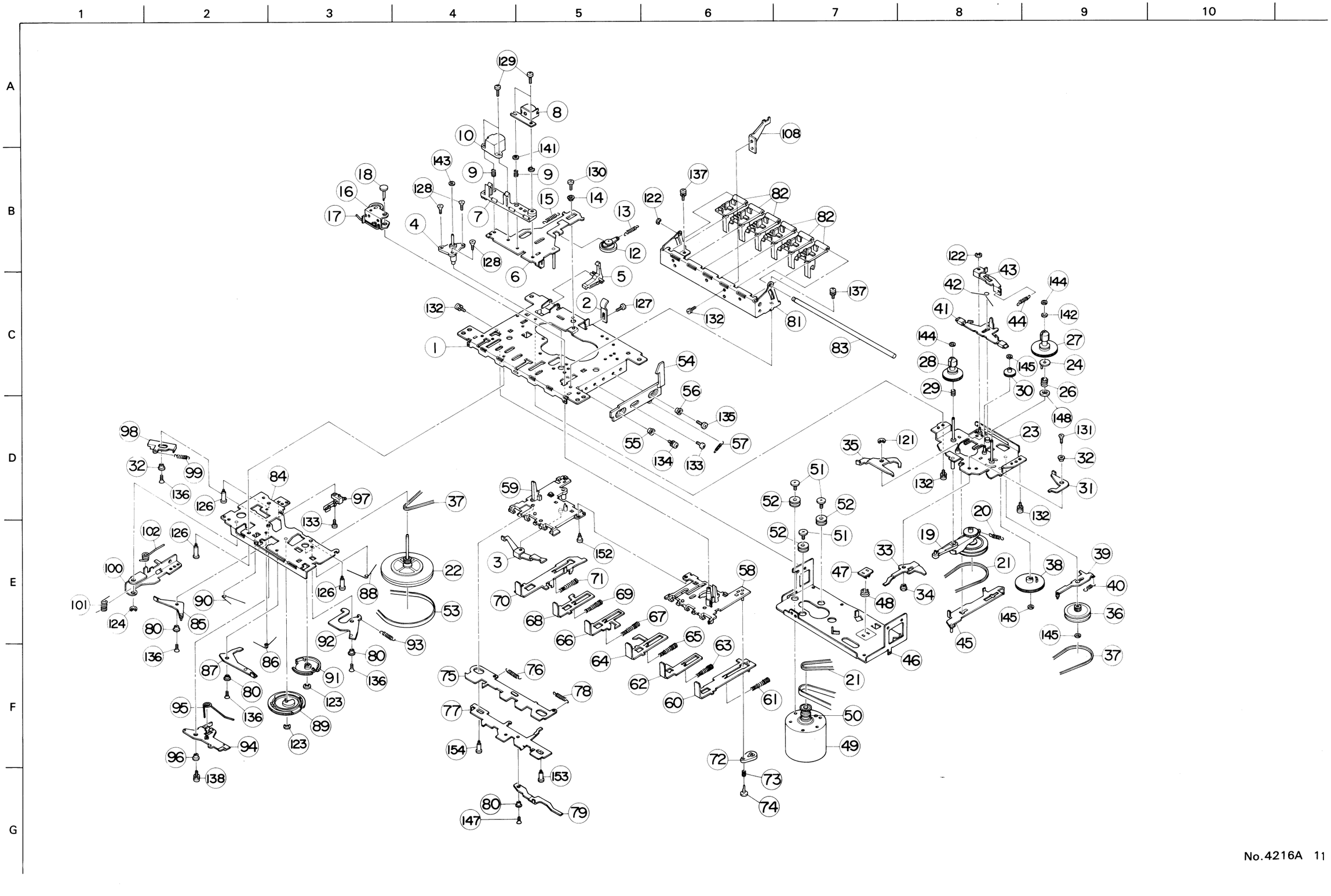
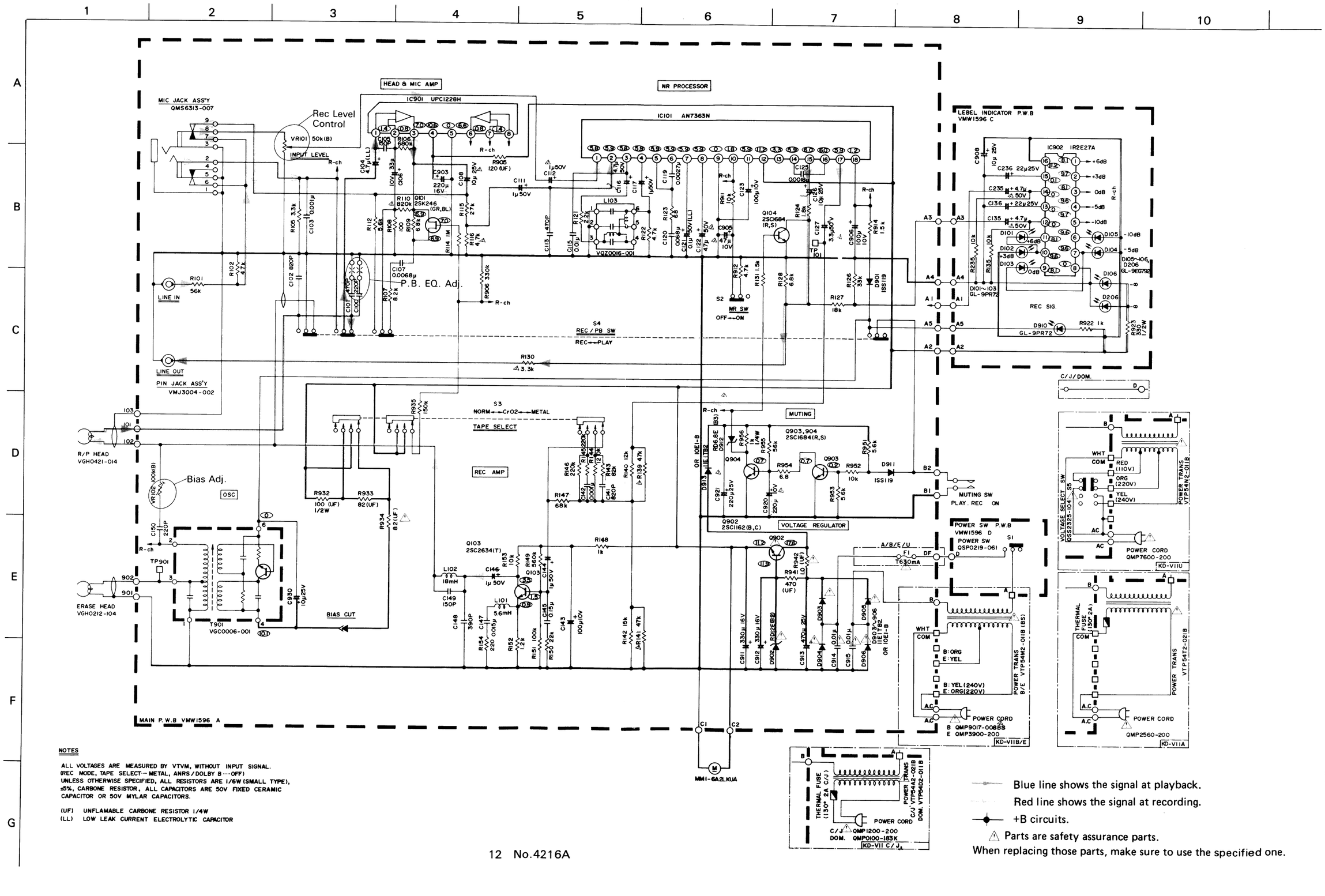
Ref. No.	Parts No.	Parts Name	Remarks	Q'ty
101	18201124T	Rec. Arm Spring		1
102	18201136T	Rec. Dumper Spring		1
103	18201036T	RF. Stopper	KD-V11E(E) only	1
104	182015302ZT	M.S. Lever Ass'y	KD-V11E(E) only	1
105	18201505T	M.S. Lever Spring	KD-V11E(E) only	1
106	17001513T	Core B	KD-V11E(E) only	1
⚠107	182015301T	Coil Ass'y	KD-V11E(E) only	1
108	18201035T	Lever Shaft Stopper		1
109	18201013T	M.F. Function Plate	KD-V11E(E) only	1
110	MSW-1275	Leaf Switch	for F.F., Rew. KD-V11E(E) only	1
111	SPSP2004Z	Screw	for F.F., Rew. Leaf Switch KD-V11E(E) only	1
121	REE1200	E-Ring	Kick Lever	1
122	REE1500	"	A.S. Guard Lever x 1, Button Frame x 1	2
123	REE2000	"	Main Gear x 1, Pause Gear x 1	2
124	REE3000	"	Rec. Arm	1
125	–	–		–
126	18201137T	Collar Screw		3
127	SPST2603Z	TH. Tap. Screw	Pack Spring	1
128	SSSK2030M	Mini Screw	FL. Metal	3
129	SPSX2007Z	PM. Screw	R/P Head x 2, E. Head x 2	4
130	SDSP2604M	Screw	Head Panel Collar	1
131	SSSK2045M	Mini Screw	T.R. Kick Lever	1
132	LPSP2004Z	Ass'y Screw	Reel Bracket x 2, FM. Bracket x 1, L. Shaft Stopper x 1	4
133	SPSP2004Z	Screw	FM. Bracket x 1, Leaf Switch x 1	2
134	LPSP2006Z	Ass'y Screw	Eject Slide Lever	1
135	SPST2605Z	TH. Tap. Screw	"	1
136	SSSK2028M	Mini Screw	Collar x 1, M. Trigger Arm Spring x 1, P. Trigger Arm Spring x 1, Rec. Function Plate x 1	4
	SSK2025M	"	Collar	1
	SSK2025Z	"	M.S. Function Plate KD-V11E(E) only ly	1
137	LPSP2604Z	Ass'y Screw	Button Frame	2
138	LPSP2606Z	"	Lift Arm Spring	1
141	93160000T	Washer	Head Base	1
142	97880000T	Polyslider Washer	Thrust	1
143	93720000T	Nylon Washer	Oil Cut	1
144	97430000T	Polyslider Washer	Take-up Reel Ass'y x 1, Supply Reel Ass'y x 1	2
145	94210000T	"	F.F. Gear x 1, Pulley x 1, Cam Gear x 1	3
146	93500000T	Washer		1
147	–	–		–
148	97910000T	Polyslider Washer	Take-up Reel	1

Ref. No.	Parts No.	Parts Name	Remarks	Q'ty
152	18201025T	Collar Screw		1
153	18201029T	"		1
154	18201030T	"		1
157	SSSK2030Z	Mini Screw	RF. Stopper KD-V11E(E) only	1
158	18201014T	Collar	M.S. Function Plate, RF. Stopper KD-V11E(E) only	2
211	LPSP2005Z	Ass'y Screw	KD-V11E(E) only	1

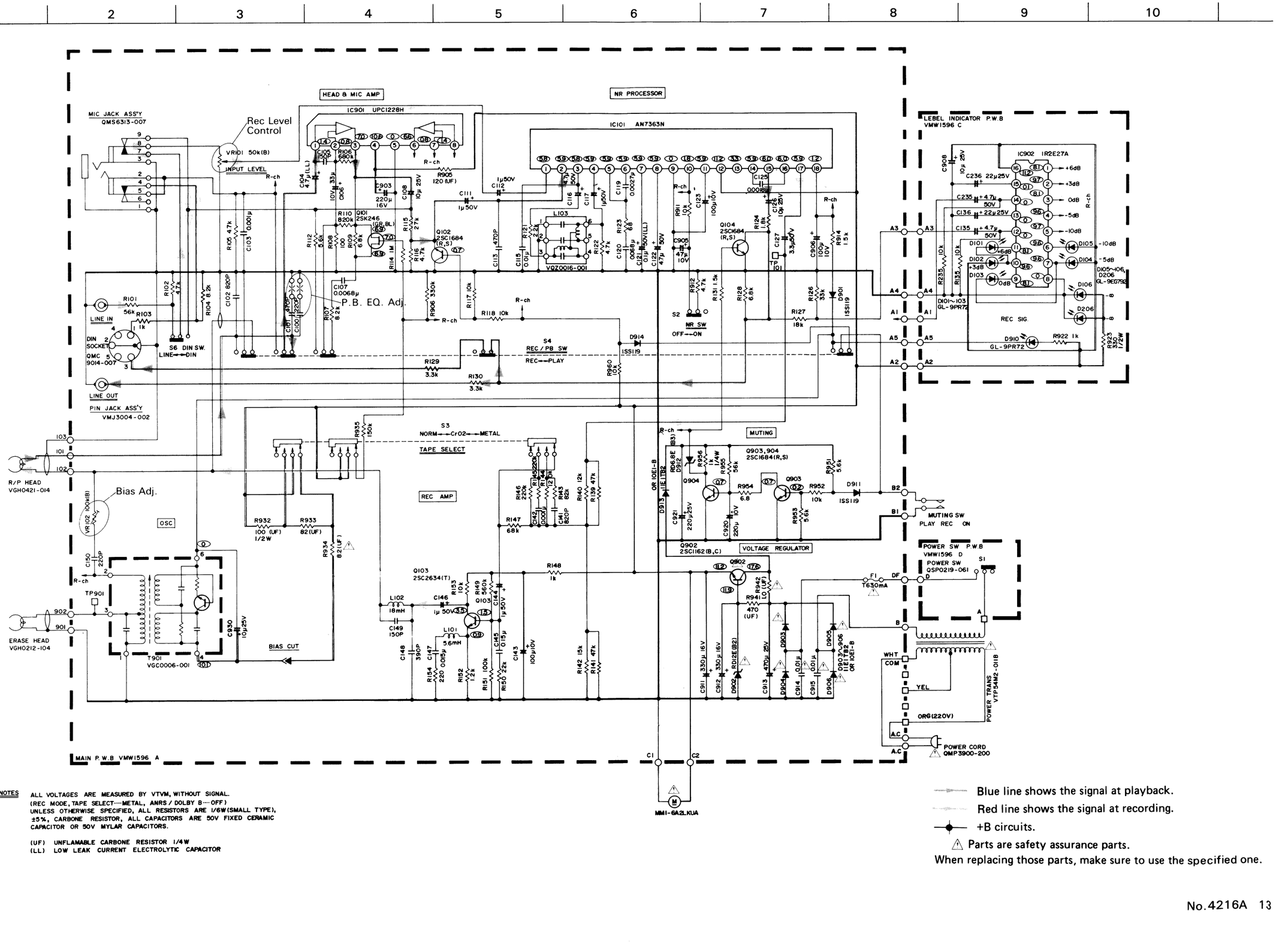
Mechanical Component Parts of KD-V11A/B/C/E/E(D)/J/U and KD-V11NA/NB/NC/NE/NE(D)/NJ/NU



Standard Schematic Diagram of KD-V11A/B/C/E/J/U KD-V11NA/NB/NC/NE/NJ/NU


HEAD & MIC AMP
NR PROCESSOR
MIC JACK ASS'Y QMS6313-007
Rec Level Control
VR101 50k(B)
INPUT LEVEL
IC901 UPC1228H
IC101 AN7363N
LINE IN
LINE OUT
PIN JACK ASS'Y VMJ3004-002
P.B. EQ. Adj.
S4 REC / PB SW REC→PLAY
S2 NR SW OFF→ON
S3 NORM→CrO2→METAL TAPE SELECT
R/P HEAD VGH0421-014
Bias Adj.
OSC
ERASE HEAD VGH0212-104
T901 VGC0006-001
BIAS CUT
REC AMP
MUTING
VOLTAGE REGULATOR
Q902 2SC1162(B,C)
Q903,904 2SC1684(R,S)
MUTING SW PLAY. REC ON
MAIN P.W.B VMW1596 A
M MMI-6A21KUA
LEBEL INDICATOR P.W.B VMW1596 C
REC SIG.
POWER SW P.W.B VMW1596 D
POWER SW QSP0219-061
POWER CORD QMP7600-200 KD-V11U
POWER CORD QMP2560-200 KD-V11A
POWER CORD B QMP9017-008BS E QMP3900-200 KD-V11B/E
POWER CORD C/J QMP1200-200 DOM. QMP0100-183K KD-V11 C/J
POWER TRANS VTP54M2-0118
POWER TRANS VTP54T2-0218
POWER TRANS B/E VTP54M2-0118 (BS)
POWER TRANS C/J VTP54A2-0218 DOM. VTP54D2-0118
VOLTAGE SELECT SW QSS2325-104
THERMAL FUSE (130° 2A)
C/J/DOM.
A/B/E/U
C/J
MUTING SW
NOTES
ALL VOLTAGES ARE MEASURED BY VTVM, WITHOUT INPUT SIGNAL.
(REC MODE, TAPE SELECT···METAL, ANRS/DOLBY B ····OFF)
UNLESS OTHERWISE SPECIFIED, ALL RESISTORS ARE 1/6W (SMALL TYPE), ±5%, CARBONE RESISTOR, ALL CAPACITORS ARE 50V FIXED CERAMIC CAPACITOR OR 50V MYLAR CAPACITORS.
(UF) UNFLAMABLE CARBONE RESISTOR 1/4W
(LL) LOW LEAK CURRENT ELECTROLYTIC CAPACITOR
Blue line shows the signal at playback.
Red line shows the signal at recording.
+B circuits.
△ Parts are safety assurance parts.
When replacing those parts, make sure to use the specified one.

Standard Schematic Diagram of KD-V11E(D) and KD-V11NE(D)

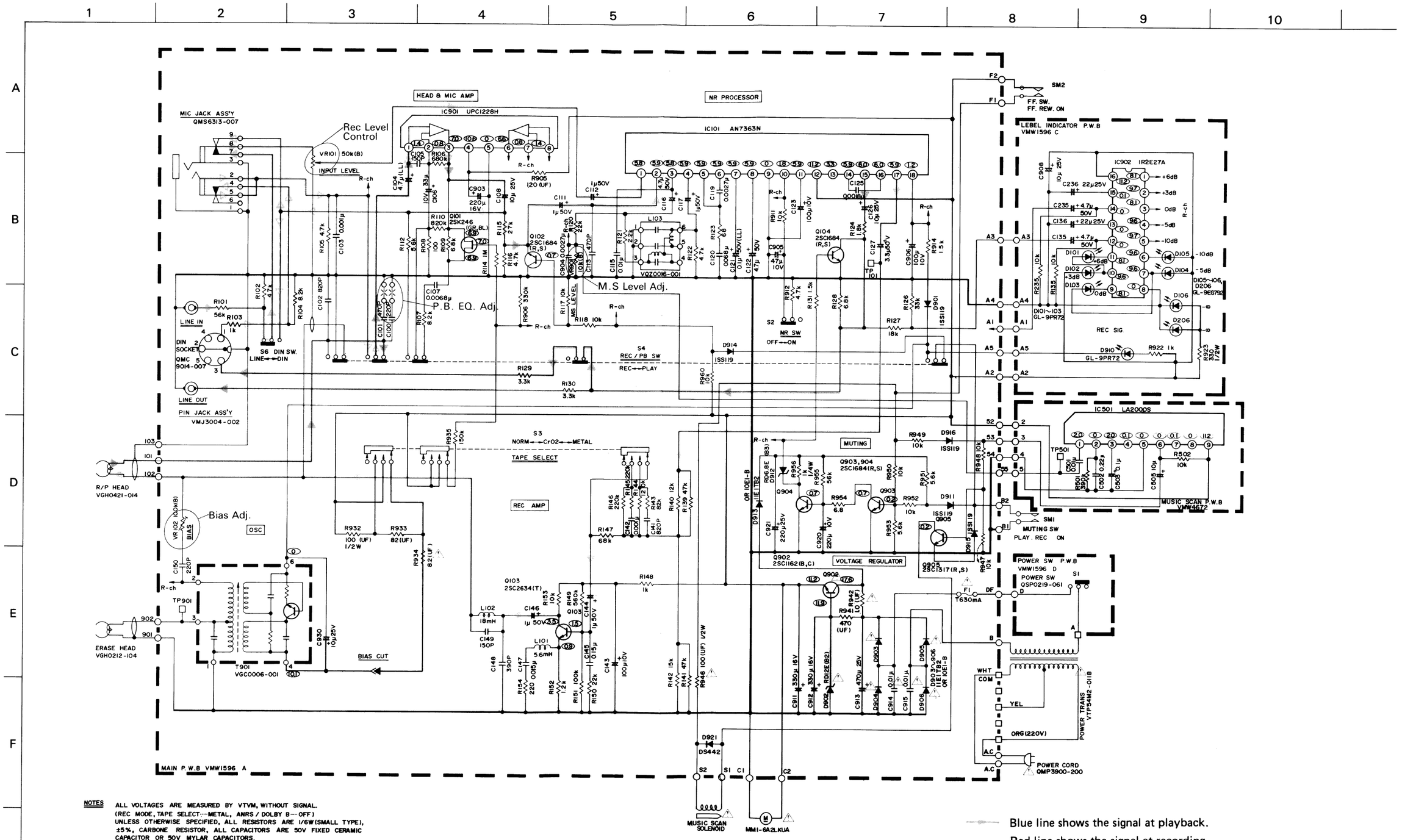


NOTES ALL VOLTAGES ARE MEASURED BY VTVM, WITHOUT SIGNAL.
(REC MODE, TAPE SELECT····METAL, ANRS / DOLBY B···· OFF)
UNLESS OTHERWISE SPECIFIED, ALL RESISTORS ARE 1/6W(SMALL TYPE), ±5%, CARBONE RESISTOR, ALL CAPACITORS ARE 50V FIXED CERAMIC CAPACITOR OR 50V MYLAR CAPACITORS.

(UF) UNFLAMABLE CARBONE RESISTOR 1/4W
(LL) LOW LEAK CURRENT ELECTROLYTIC CAPACITOR

Blue line shows the signal at playback.
Red line shows the signal at recording.
+B circuits.
⚠ Parts are safety assurance parts.
When replacing those parts, make sure to use the specified one.

Standard Schematic Diagram of KD-V11E(E) and KD-V11NE(E)



NOTES ALL VOLTAGES ARE MEASURED BY VTVM, WITHOUT SIGNAL.
(REC MODE, TAPE SELECT····METAL, ANRS / DOLBY B···· OFF)
UNLESS OTHERWISE SPECIFIED, ALL RESISTORS ARE 1/6W(SMALL TYPE), ±5%, CARBONE RESISTOR, ALL CAPACITORS ARE 50V FIXED CERAMIC CAPACITOR OR 50V MYLAR CAPACITORS.

(UF) UNFLAMABLE CARBONE RESISTOR 1/4W
(LL) LOW LEAK CURRENT ELECTROLYTIC CAPACITOR

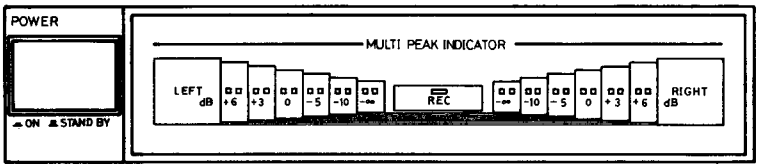
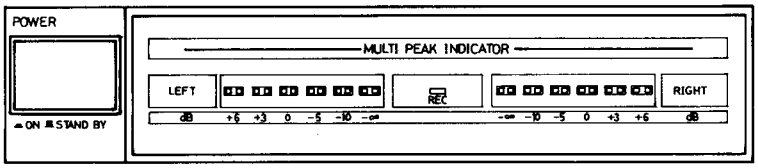
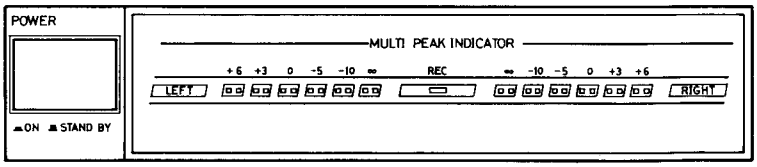
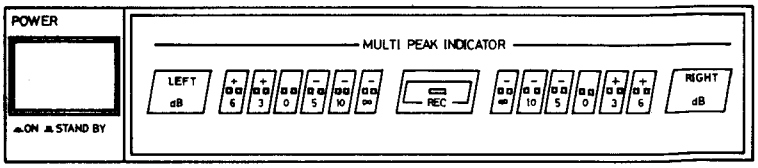
Blue line shows the signal at playback.
Red line shows the signal at recording.
+B circuits.
⚠ Parts are safety assurance parts.
When replacing those parts, make sure to use the specified one.

Enclosure Assembly and Electrical Parts List (Except P.W. Board Parts)

Ref. No.	⚠	Parts No.	Parts Name	Remarks	Q'ty
1		VKL5391-001	Bracket		1
2, 7		ZCKDV11-CBF	Front Panel Assembly		1
2		VJC1280-002UL	Front Panel	KD-V11C/J	1
3		VJC1280-001	Front Panel		1
4		TFB313563-02	Plate Nut		1
5		VYH5033-002	Dumper Holder		1
6		VYH4769-001	Gear	(Grease G-332)	1
7		VJD3400-002	LED Lens	KD-V11A/B/E/E(D)/W	1
		VJD3400-003	LED Lens	KD-V11C/J	
8		VKC5165-001T	Tape Counter		1
9		VKB3000-053	Belt		1
10		VKL5383-001	Counter Bracket		1
11		VJT2083-001	Cassette Holder		1
12–13		ZCKDV11-CCA	Cassette Lid Assembly		1
12		VJT3110-001	Cassette Lid		1
13		VJD4684-001	Lid Plate		1
14		VKY4295-001	Cassette Spring		2
15		VKW4397-001	Holder Spring		1
16		VKY4252-001	Cassette Spring		1
17		VJD3401-001	Mecha. Plate		1
18		VXP3084-002	Push Knob	for Power	1
19		VXP4057-001	Select Knob	for Tape and NR	2
20		VKL4191-001	Volume Knob		2
21		VXP3094-001	Push Button	for Rec.	1
22		VXP3094-002	"	for Play	1
23		VXP3094-003	"	for Rew.	1
24		VXP3094-004	"	for FF	1
25		VXP3094-005	"	for Stop/Eject	1
26		VXP3094-006	"	for Pause	1
27		VJC1281-001	Top Cover		1
28		VJC2112-001	Bottom Cover		1
29		VJF4003-002	Foot		4
30		VKW4398-001	Rec. Wire		1
31		VYN2112-002PA	Name Plate	KD-V11B	1
32		VYN2112-003PA	"	KD-V11A	1
33		VYN2112-004PK	"	KD-V11C	1
34		VYN2112-005PA	"	KD-V11E/E(D)	1
35		VYN2112-006PA	"	KD-V11J	1
36		VYN2112-007PA	"	KD-V11U	1
37		VKL2189-00B	Amp. Chassis		1
38		VKH3005-093	Shaft		1
39		VKL5384-001	Rec. Bracket		1
40		VKW4399-001	Rec. Spring		1
41		VKL5385-001	Rec. Arm		1
42		VJC2113-001	Rear Panel	KD-V11A/B/C/E/J/U	1
43		VJC2113-002	"	KD-V11E(D)	1
44	⚠	QMP9017-008BS	Power Cord	KD-V11B	1
45	⚠	QMP2560-200	"	KD-V11A	1
46	⚠	QMP1200-200	"	KD-V11J/C	1
47	⚠	QMP3900-200	"	KD-V11E/E(D)	1
48	⚠	QMP7600-200	"	KD-V11U	1
49	⚠	QHS3876-162	Strain Relief	KD-V11A/C/E/E(D)/J/U	1
50	⚠	QHS3876-162BS	"	KD-V11B	1
51	⚠	VTP54M2-011BBS	Power Transformer	KD-V11B	1
52	⚠	VTP54M2-011B	"	KD-V11A/E/E(D)	1
53	⚠	VTP54A2-021B	"	KD-V11J/C	1
54	⚠	TTP54N2-011B	"	KD-V11U	1

Ref. No.	⚠	Parts No.	Parts Name	Remarks	Q'ty
82		SDST3006R	Screw	Rear Panel x 2, Top Cover x 1	3
83		LPSP3006Z	"	Power Switch	2
85		SBSF3006Z	"	Main	1
86		E48729-002	Plastic Rivet	KD-V11E(D) for DIN Socket	2
87		SDST3006Z	"	Rec. Bracket Wire Holder x 2	6
88		SSSF3008Z	"	Mecha. x 4, Counter Bracket x 2	6
89		SDST3008Z	"	for Front Panel	2
90		SSST3008Z	"	for Front Panel	2
91		SDSF3008Z	"	Dumper Holder	1
92		SDSF2605Z	"	Tape Counter x 2, Wire Holder x 1	3
93		SDST2604Z	"	Cassette Holder	2
94		SDSB4016R	"	Top Cover	6
95		SDSB3008Z	"	Bottom Cover	2
96		SDSF3010Z	"		1
99		VKZ4001-011	Wire Holder		4
100		SDSF3008R	Screw	Pin Jack	2
101		SSSP3006Z	"		2
102		REE3000	E-Ring	Rec. Arm	1
103		VMA4171-001	Shield Plate		1
104		Q03091-105	Spacer	for Power Transformer	1

VJD3400-xxx LEDLENS LIST

MODEL	Parts No.	LEDLENS
KD-V11 C/J/E(E)	VJD3400-003	
KD-V11 A/B/E/E(D)/U	VJD3400-002	
KD-V11 NA/NB/NC NE/NU	VJD3400-006	
KD-V11NJ	VJD3400-005	

Accessories

Parts No.	Parts Name	Remarks	Q'ty
VMP0002-00D	Pin Cord		2
VNN0110-301	Instruction Book	KD-V11NB/NE/NE(D)/NE(E) KD-V11B/E/E(D)/E(E)	1
" -901	"	KD-V11NA/NC/NJ/NU KD-V11A/C/J/U	1
BT20060	Warranty Card	KD-V11B/NB	1
BT20066	"	"	1
TJL000443-01	Seal	"	1
TLT052401-01	Warning Label	KD-V11A/B/E/E(D)/E(E) KD-V11NA/NB/NE/NE(D)/NE(E)	1
QZL1002-003	"	KD-V11B/NB	1
VNC5004-001	Mark Sticker	KD-V11B/E/E(D)/E(E) KD-V11NB/NE/NE(D)/NE(E)	1
VPZ4001-001	Serial Ticket		1
BT20029C	Warranty Card	KD-V11A/NA	1
BT20025F	"	KD-V11C/NC	1
T44362-001	CSA Mark	KD-V11C/NC	1
BT20047A	Warranty Card	KD-V11J/NJ	1
BT20046B	Special Reply Card	KD-V11J/U/NJ/NU	1
BT20044B	Safety Instruction	KD-V11J/U/NJ/NU	1
TLT000505-01	Caution Seal	KD-V11J/U/NJ/NU	1
V04062-001	Siemens Plug	KD-V11U/NU	1
VND4037-002	F. Mark	KD-V11E(D)/NE(D)	1
BT20064	Warranty Card	KD-V11E(D)/NE(D)	1
BT20066	"	KD-V11E(D)/NE(D)	1
BT20047A	"	KD-V11U/NU	1
VNC5311-101	C. Card	for E.E.S.	1

JVC
VICTOR COMPANY OF JAPAN, LIMITED.
RADIO & RECORDING MACHINE DIVISION 10-1, 1-chome, Ohwatari-cho, Maebashi-city 371, Japan

Printed in Japan
–5804–S–

Mechanical Component Parts List

Ref. No.	Parts No.	Parts Name	Remarks	Q'ty
1	18200101T	Chassis Base		1
2	18200102T	Pack Spring		1
3	18200201T	Rec. Stopper		1
4	18201207T	FL. Metal		1
5	18000201T	Rec. Safety Lever		1
6	182003501ZT	Head Panel Ass'y		1
7	18200311T	Head Base		1
8	VGH0421-014	R/P Head		1
9	14400315T	Head Spring		2
10	VGH0212-104	E. Head		1
12	182003301ZT	Take-up Roller Plate Ass'y		1
13	18200312T	Spring	for T. Roller Plate	1
14	17100319T	Head Panel Collar		1
15	18200302T	Spring	for Head Panel	1
16	182004301ZT	Pinch Roller Ass'y		1
17	18200402T	Pinch Roller Spring		1
18	17152015T	Stopper		1
19	182007301ZT	RF. Clutch Ass'y		1
20	18200704T	RF. Clutch Arm Spring		1
21	17150606T	RF. Belt		1
22	182012301ZT	Flywheel Ass'y		1
23	182005501ZT	Reel Bracket Ass'y		1
24	18200804T	A.S. Detect Piece		1
26	18200808T	A.S. Detect Piece Spring		1
27	182006301ZT	Take-up Reel Ass'y		1
28	182006302ZT	Supply Reel Ass'y		1
29	18200604T	Back Tension Spring		1
30	18000610T	F.F. Gear		1
31	18200910T	T.R. Kick Lever		1
32	18200806T	Collar		2
33	18200805T	Auto Lever		1
34	18200811T	Auto Lever Collar		1
35	18200911T	Kick Lever		1
36	18200801T	Pulley		1
37	18200809T	Auto Stop Belt		1
38	18200802T	Cam Gear		1
39	18200803T	Detect Lever		1
40	18200810T	Detect Lever Spring		1
41	182009301ZT	Brake Arm Ass'y		1
42	18200902T	Brake Spring		1
43	18200905T	A.S. Guard Lever		1
44	18200909T	A.S. Guard Lever Spring		1
45	182009501ZT	R.F. Slide Lever Ass'y		1
46	18201301T	FM Bracket		1
47	18201302T	FL. Thrust Plate		1
48	18201310T	Thrust Spring		1
49	MMI-6A2LKUA	Motor		1
50	18201308T	Motor Pulley		1
51	18201305T	Collar Screw		3
52	18201306T	Rubber Cushion		3
53	18201303T	Main Belt		1
54	18201401T	Eject Slide Lever		1
55	18201402T	Collar		1
56	18201403T	Collar		1
57	15590306T	Spring	for Eject Slide Lever	1
58	18201001T	Button Base (L)		1
59	18201002T	" (R)		1
60	182010501ZT	Pause Button Lever Ass'y		1
61	18000903T	Button Lever Spring		1
62	18201022T	Stop Button Lever		1
63	18201027T	Button Lever Spring		1
64	18201021T	F.F. Button Lever		1
65	18000903T	Button Lever Spring		1

Ref. No.	Parts No.	Parts Name	Remarks	Q'ty
66	18201020T	RWD. Button Lever		1
67	18201026T	Button Lever Spring		1
68	18201019T	Play Button Lever		1
69	18201026T	Button Lever Spring		1
70	18201018T	Rec. Button Lever		1
71	18201026T	Button Lever Spring		1
72	12221702T	Pause Lever		1
73	18201034T	Pause Lever Spring		1
74	18201032T	Stopper		1
75	18201037T	Button Cam		1
76	15100929T	Spring	for Button Cam	1
77	18201010T	Switch Cam		1
78	18201031T	Spring	for Switch Cam	1
79	18201011T	Eject Kick Lever		1
80	18200806T	Collar		5
81	18201015T	Bottom Frame		1
82	18201028T	Function Lever		6
83	18201016T	Lever Shaft		1
84	182011501ZT	Sub Chassis Ass'y		1
85	182011502ZT	M. Trigger Arm Ass'y		1
86	18201126T	M. Trigger Arm Spring		1
87	182011503ZT	P. Trigger Arm Ass'y		1
88	18201127T	P. Trigger Arm Spring		1
89	18201103T	Main Gear		1
90	18201131T	Main Gear Spring		1
91	18201104T	Pause Gear		1
92	182011504ZT	Pause Arm Ass'y		1
93	16681015T	Spring	for Pause Button	1
94	182011505ZT	Lift Arm Ass'y		1
95	18201129T	Lift Arm Spring		1
96	18201130T	Lift Arm Collar		1
97	64010107T	Leaf Switch	MSW-1412T	1
98	18201121T	Rec. Function Plate		1
99	17001650T	Spring	for Rec. Function Plate	1
100	18201122T	Rec. Arm		1
101	18201124T	Rec. Arm Spring		1
102	18201125T	Rec. Dumper Spring		1
121	REE1200	E-Ring	Kick Lever	1
122	REE1500	"	A.S. Guard Lever x 1, Button Frame x 1	2
123	REE2000	"	Main Gear x 1, Pause Gear x 1	2
124	REE3000	"	Rec. Arm	1
126	18201137T	Collar Screw		3
127	SPST2603Z	TH. Tap. Screw	Pack Spring	1
128	SSSK2030M	Mini Screw	FL. Metal	3
129	SPSX2007Z	PM. Screw	R/P Head x 2, E. Head x 2	4
130	SDSP2604M	Screw	Head Panel Collar	1
131	SSSK2045M	Mini Screw	T.R. Kick Lever	1
132	LPSP2004Z	Ass'y Screw	Reel Bracket x 2, Main Belt x 1	3
133	SPSP2004Z	Screw	Main Belt x 1, Leaf Switch x 1	2
134	LPSP2006Z	Ass'y Screw	Eject Slide Lever	1
135	SPST2605Z	TH. Tap. Screw	"	1
136	SSSK2025M	Mini Screw	Collar x 1, M. Trigger Arm Spring x 1, P. Trigger Arm Spring x 1, Collar x 1, Rec. Function Plate x 1	5
137	LPSP2604Z	Ass'y Screw	Button Frame	2
138	LPSP2606Z	"	Lift Arm Spring	1
141	93120000T	Washer	Head Base	1
142	93850000T	Nylon Washer	Thrust	1
143	93720000T	"	Oil Cut	1
144	97430000T	Polyslider Washer	Take-up Reel Ass'y x 1, Supply Reel Ass'y x 1	2
145	94210000T	"	F.F. Gear x 1, Pulley x 1, Cam Gear x 1	3

JVC

Supplementary SERVICE MANUAL

MODEL
KD-V11 A/B/C/E/E(D)/J/U
STEREO CASSETTE DECK

This manual is a supplement to the service manual for the model KD-V11A/B/C/E/E(D)/J/U (No. 4216). Changes and additions to the service manual are as follow:

1. Add – Model KD-V11E(E) (equipped with a Music Scan circuit)
2. Add – Model KD-V11NA/NB/NC/NE/NE(D)/NE(E)/NJ/JU (Black finished type)
3. Add – Comparison Table of LED Lens by Model
4. Changes – P.W.B. schematic diagrams, Exploded views, All parts and Accessories lists

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No. 4216A
April 1983

Main Amp. P.W. Board Parts List

⚠ parts are safety assurance parts.
When replacing those parts,
make sure to use the specified one.

⚠	Ref. No.	Parts No.	Parts Name	Remarks
	[Main P.W. Board]			
	[Resistors]			
	R101, 201	QRD161J-563	Carbon	
	R102, 202	" -473	"	
	R103, 203	" -102	"	KD-V11E(D)/NE(D)
	R104, 204	" -822	"	KD-V11E(D)/NE(D)
	R105, 205	" -472	"	KD-V11E(D)/NE(D)
	"	" -332	"	KD-V11A/B/C/E/E(E)/ KD-V11NA/NB/NC/ NE/NJ/NU
	R106, 206	" -684	"	
	R107, 207	" -822	"	
	R108, 208	" -101	"	
	R109, 209	" -682	"	
	R110, 210	" -824	"	
	R112, 212	" -562	"	
	R114, 214	" -105	"	
	R115, 215	" -273	"	
	R116, 216	" -472	"	
	R117, 217	" -103	"	KD-V11E(D)/NE(D)
	R118, 218	" -103	"	KD-V11E(D)/NE(D)
	R121, 211	" -222	"	
	R120, 220	" -223	"	KD-V11E(E)
	R122, 212	" -472	"	
	R123, 223	" -680	"	
	R124, 224	" -182	"	
	R126, 226	" -333	"	
	R127, 227	" -183	"	
	R128, 228	" -682	"	
	R129, 229	" -332	"	KD-V11E(D)/NE(D)
	R130, 230	" -332	"	
	R131, 231	" -152	"	
	R139, 239	" -473	"	
	R140, 240	" -123	"	
	R141, 241	" -473	"	
	R142, 242	" -153	"	
	R143, 243	" -823	"	
	R144, 244	" -124	"	
	R145, 245	" -224	"	
	R146, 246	" -224	"	
	R147, 247	" -683	"	
	R148, 248	" -102	"	
	R149, 249	" -564	"	
	R150, 250	" -223	"	
	R151, 251	" -104	"	
	R152, 252	" -122	"	
	R153, 253	" -103	"	
	R154, 254	" -221	"	
	R905	QRD149J-121S	Fail Safe	
	R906	QRD161J-334	Carbon	
	R911	" -103	"	
	R912	" -472	"	
	R914	" -152	"	
	R932	QRD129J-101	Fail Safe	
	R933	QRD149J-820S	"	
⚠	R934	QRD149J-8R2S	"	
	R935	QRD161J-154	Carbon	
	R941	QRD149J-471S	Carbon	

⚠	Ref. No.	Parts No.	Parts Name	Remarks
⚠	R942	" -1R0S	"	
⚠	R946	QRD129J-101	Fail Safe	KD-V11E(E)
	R947	QRD161J-103	Carbon	KD-V11E(E)
	R948–950	" -103	"	KD-V11E(E)
	R951	" -562	"	
	R952	QRD161J-103	Carbon	
	R953	" -562	"	
	R954	" -6R8	"	
	R955	" -563	"	
	R956	" -102	"	
	R960	" -103	"	KD-V11E(D)NE(D)
	[Capacitors]			
	C100, 200	QCS11HJ-221	Ceramic	
	C101, 201	" -471	"	
	C102, 202	" -821	"	
	C103, 203	QFM41HJ-102	Mylar	
	C104, 204	QEB41EM-475	Electrolytic	
	C105, 205	QCS11HJ-151	Ceramic	
	C106, 206	QET41AR-336	Electrolytic	
	C107, 207	QFN41HJ-682	Mylar	
	C108, 208	QET41ER-106	Electrolytic	
	C111, 211	QET41HR-105	"	
	C112, 212	" -105	"	
	C113, 213	QCS11HJ-471	Ceramic	
	C115, 215	QFN41HJ-103	Mylar	
	C116, 216	QET41HR-475	Electrolytic	
	C117, 217	" -105	"	
	C119, 219	QFN41HJ-272	Mylar	
	C120, 220	" -683	"	
	C121, 221	QEB41HM-104	Electrolytic	
	C122, 222	QET41HR-475	"	
	C123, 223	QET41AR-107	"	
	C125, 225	QFN41HJ-182	Mylar	
	C126, 226	QET41ER-106	Electrolytic	
	C127, 227	QET41HR-335	"	
	C141, 241	QCS41HJ-821	Ceramic	
	C142, 242	QFN41HJ-102	Mylar	
	C143, 243	QET41AR-107	Electrolytic	
	C144, 244	QET41HR-105	"	
	C145, 245	QFN31HJ-154	Mylar	
	C146, 246	QET41HR-105	Electrolytic	
	C147, 247	QFN41HJ-153	Mylar	
	C148, 248	QCS11HJ-391	Ceramic	
	C139, 249	QCS12HJ-151	"	
	C150, 250	QCY22HK-221	"	
	C903	QET41CM-227	Electrolytic	
	C904	QFN41HJ-272	Mylar	KD-V11E(E)
	C905	QET41AR-476	Electrolytic	
	C906	" -107	"	
	C911	QET41CR-337	"	
	C912	" -337	"	
	C913	QET41ER-477	"	
⚠	C914, 915	QCF11HP-103	Ceramic	
	C920	QET41AR-227	Electrolytic	
	C921	QET41ER-227	"	
	C930	" -106	"	

To be continued on page 4.

Controls and Connections

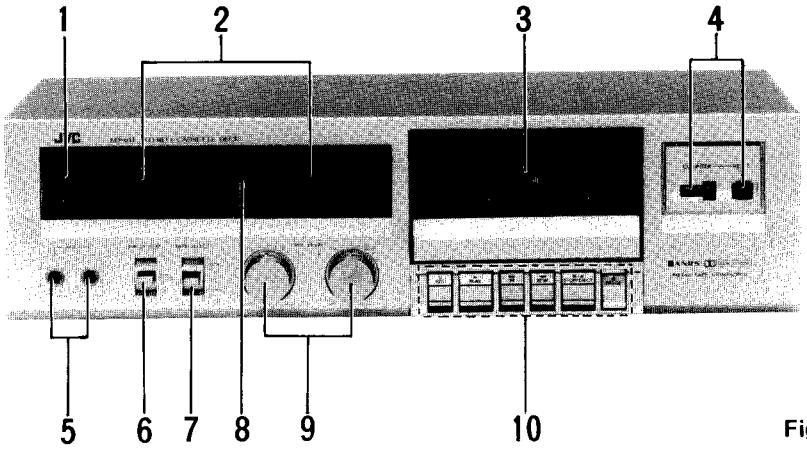


Fig. 1

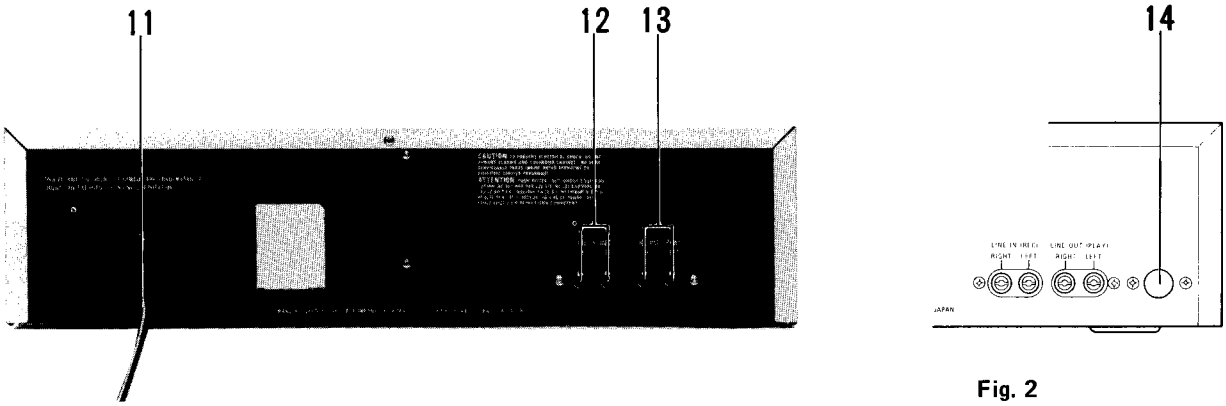


Fig. 2

1. POWER switch
2. MULTI PEAK indicators
3. Cassette door
4. Tape counter/Counter reset button
5. Left and Right microphone jack
6. NR SYSTEM switch
7. TAPE SELECT switch
8. REC indicator
9. REC LEVEL controls
10. Cassette operation buttons
    - ○ REC button
    - ▶ PLAY button
    - ◀◀ REW (Rewind) button
    - ▶▶ FF (Fast Forward) button
    - ■ STOP/▲ EJECT button
    - ❚❚ PAUSE button
11. Power cord
12. LINE IN (REC) jack
13. LINE OUT (PLAY) jack
14. DIN socket (KD-V11E(D))

Dimensions unit: mm

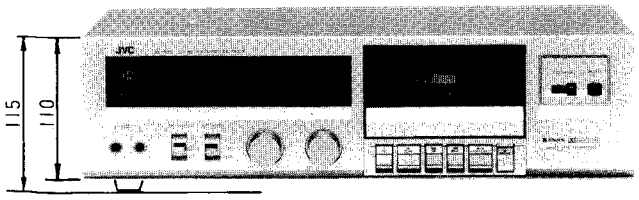


Fig. 3

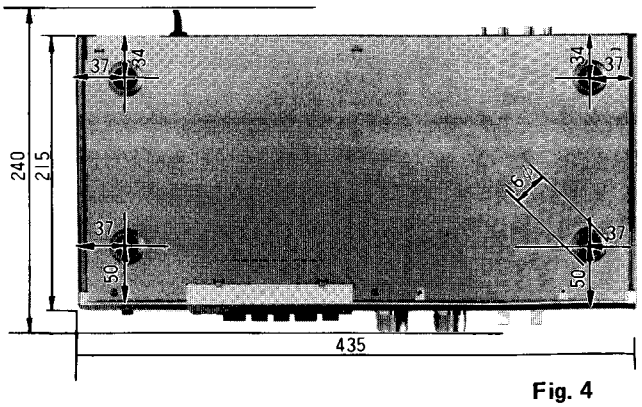


Fig. 4

Main Parts Location

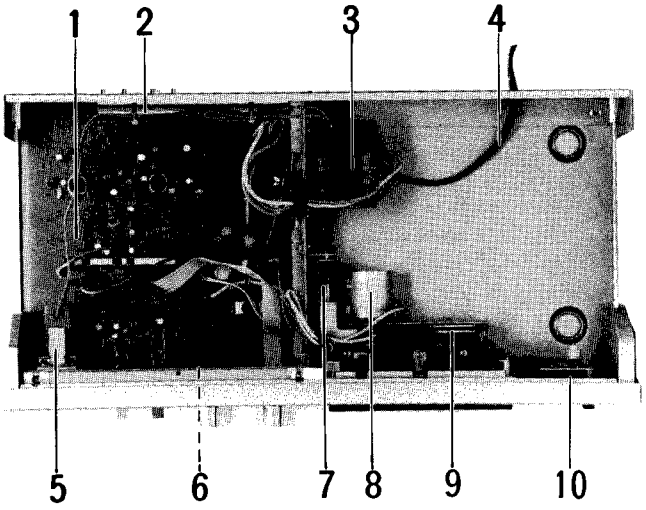


Fig. 5

1. Main P.W. board assembly
2. Pin jack assembly
3. Power transformer
4. Power cord
5. Power switch
6. LED indicator P.W. board assembly
7. Recording bracket
8. Motor
9. Flywheel
10. Counter

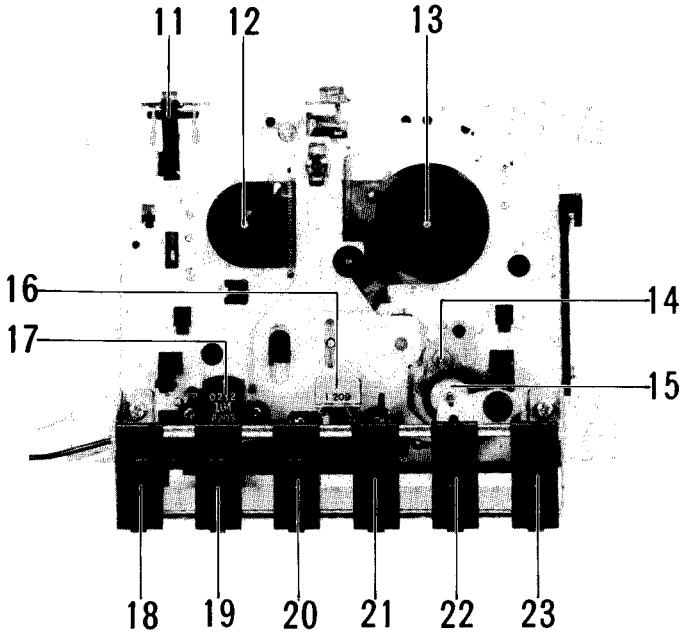


Fig. 6

(Mechanical parts)

11. Rec. safety lever
12. Supply reel disk
13. Take-up reel disk
14. Capstan shaft
15. Pinch roller assembly
16. R/P head
17. Erase head
18. Rec. button lever
19. Play button lever
20. Rew. button lever
21. F.F. button lever
22. Stop/Eject button lever
23. Pause button lever

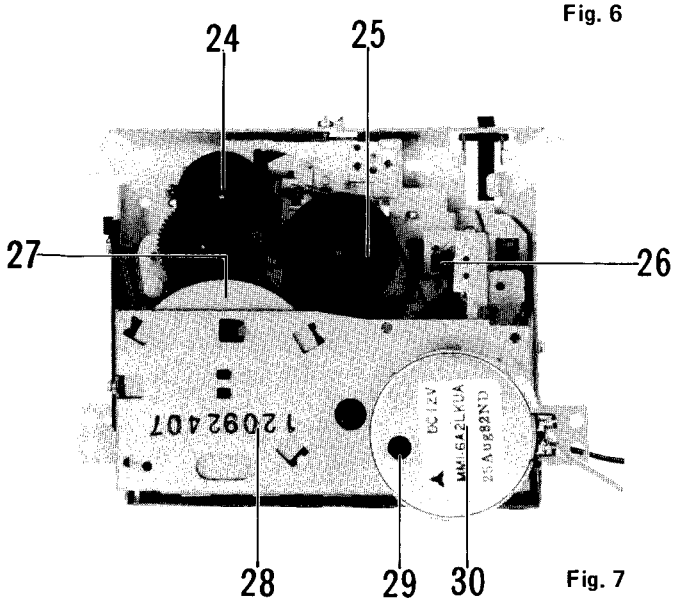


Fig. 7

24. Pulley (for full auto stop)
25. RF clutch assembly
26. Leaf switch (for mute switch)
27. Flywheel assembly
28. FM bracket
29. Motor speed adjustment hole
30. Motor

Removal of the Main Parts

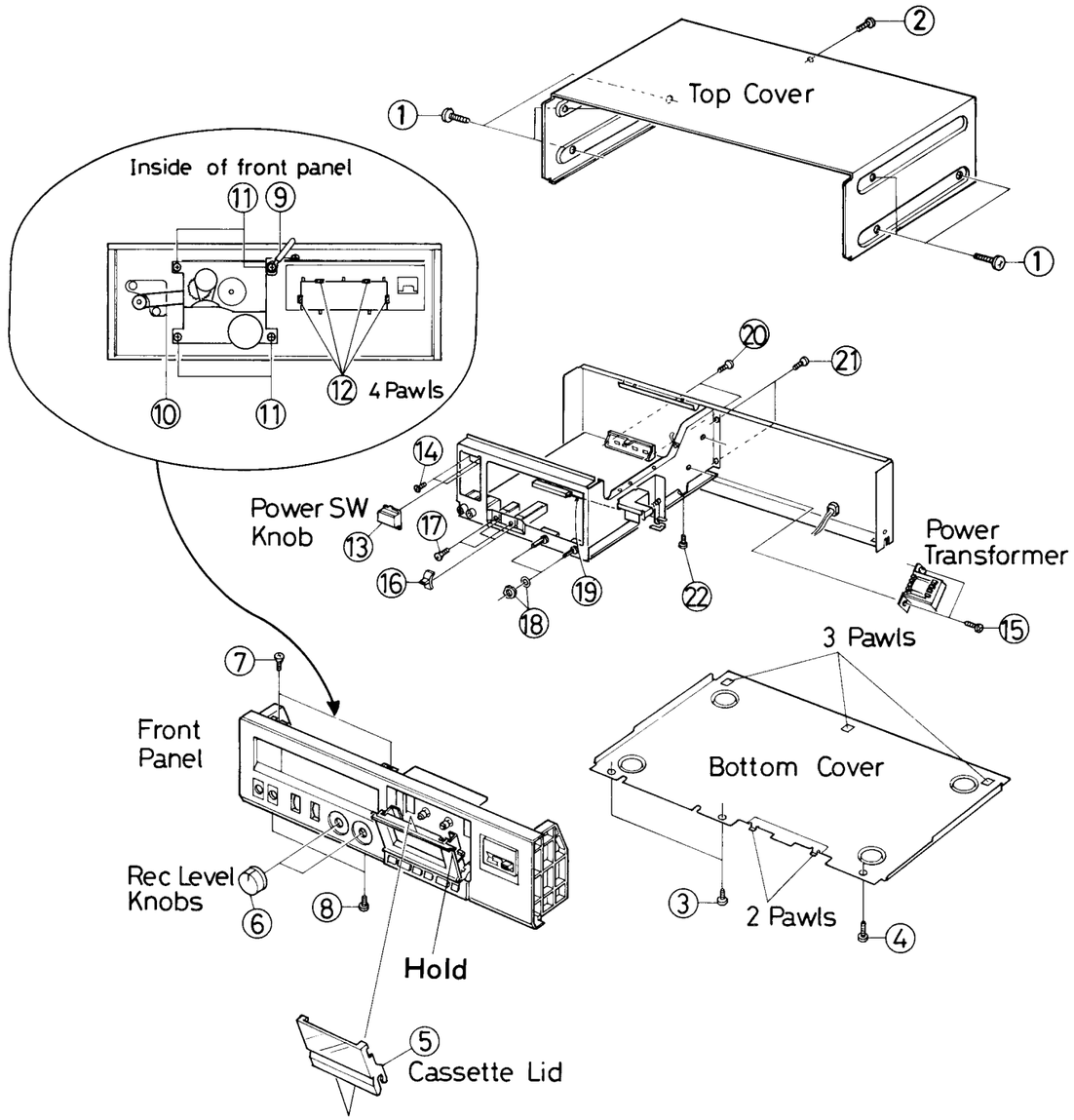


Fig. 8

Enclosure assembly parts

- **Top cover**
  Remove 7 screws fastening the top cover (6 screws (1) SDSB4010R on both side and a screw (2) SDST3006Z on rear side).
- **Bottom cover**
  1) Remove 3 screws fastening the bottom cover (2 screws (3) SDSB3008Z and a screw (4) SDSF3010Z on right side).
  2) To remove pawls, pull off the bottom cover to back side.
- **Cassette lid (5)**
  Push the EJECT button to open the cassette door. Slide off the cassette door upwards to unlock its pawls off both sides.
- **Rec. level knobs (6)**
  Pull off 2 knobs (L and R) to front side.
- **Front panel**
  1) Remove 2 screws (7) SDST3008Z on upper side and 2 screws (8) SSST3008Z on bottom side.
  2) Remove the front panel with the mechanical assembly.

Mechanical assembly

1) Remove the wire from its wire clamp (9).
2) Remove the counter belt (10).
3) Remove 4 screws (11).
4) Remove the casette holder from the mechanical assembly.

Electrical parts

- **LED P.W. board assembly**
  Remove 4 pawls (12).
- **Power switch**
  1) Pull off the power switch knob (13).
  2) Remove 2 screws (14) LPSP3006Z fastening the power switch.
- **Power transformer**
  Remove 2 screws (15) DPSP4020Z fastening the power transformer.
- **Main P.W. board assembly**
  1) Pull off 2 lever knobs (16) (NR SW, TAPE SELECT SW).
  2) Remove 2 screws (17) fastening the lever switches.
  3) Remove 2 nuts and 2 washers (18).
  4) Remove the recording rod (19) from the recording switch and the bracket.
  5) Remove 2 screws (20) SDSF3012R fastening the pin jacks assembly.
  6) Remove 2 screws (21) SDST3006R fastening the amp. chassis to rear panel.
  7) Remove a screw (22) fastening the main P.W. board on bottom side.

Mechanical parts

- **Rec./PB head**
  1) Remove 2 screws (31) for the button assembly.
  2) Remove a screw (32).
  3) Loosen a screw (33) for adjustment.
- **Erase head**
  1) Remove a screw (34).
  2) Remove a screw (35) for adjustment.
- **Pinch roller arm assembly**
  1) Remove a stopper (36) holding its assembly, and pull it off from the shaft.
- **Supply reel disc assembly**
  1) Pull out the reel disc stopper (37) and remove its disc from the shaft.
- **Take-up reel disc**
  1) Pull out the reel disc stopper (38) and remove it from the shaft.

  Note: Remove the reel disc stoppers with a piece of sheet metal inserted between the reel disc and stopper, when assembling the reel disc, the stopper needs a new parts (the stopper cannot be used again).
- **Motor**
  1) Remove 3 screws (39), (40) and (41) fastening the FM bracket. (When removing the FM bracket (42), remove with the main belt (43) and the RF belt (44).)
  2) Remove 3 screws (45) fastening the motor.
  3) Pull out the motor pulley from the motor shaft.

  Note: Be careful not to stain the main belt and RF belt. (When assembling the motor pulley, adjust the pulley position as next figure.)

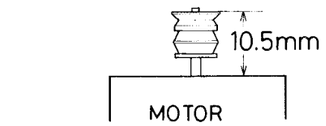


Fig. 9

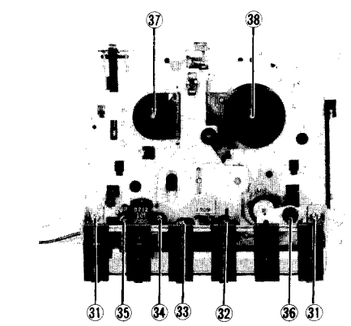


Fig. 10

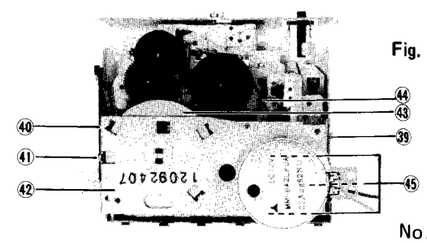


Fig. 11

- **Flywheel assembly**
  Pull out the flywheel from the capstan metal.

How to assemble the FM bracket and belts

1) Assemble full auto belt and RF belt as next figure.
2) Fasten 3 screws, to assemble the FM bracket.

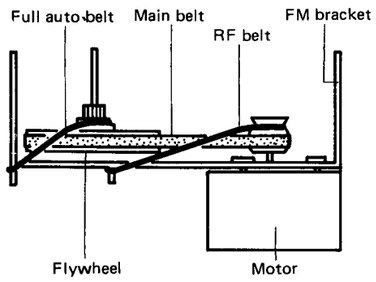
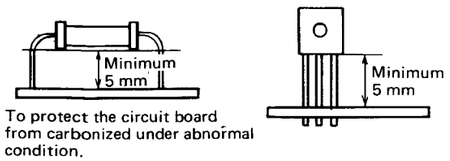


Fig. 12

Safety Precautions

⚠ Safety mark

Safety is very important with this unit. When replacing the parts marked⚠, be sure to use only those designated parts. The designated resistors, diodes, transistors become hot in use. When replacing, be sure to secure them with a distance of more than 5 mm from the circuit board. In addition, they are banded together to avoid touching other wiring, recheck this point as well after repair.
The wiring of the primary side should be wound more than one and half times, then soldered.



To protect the circuit board from carbonized under abnormal condition.

Fig. 13

Maintenance

To get long, trouble-free service, maintenance is important. Do not forget cleaning and demagnetizing.

Cleaning

After long use, the heads and tape part – capstan, pinch roller, etc. – will become dirty with dust or magnetic particles. Dirty heads cause imperfect erasing or high frequency drop-off. A dirty capstan and pinch roller will cause unstable tape speed, leading to increased wow and flutter. Always keep them clean by following the procedure below.

1. Heads

Use the head cleaning stick provided to wipe the surface where the tape comes into contact with the head.
(It is effective to moisten the cotton with alcohol.)

2. Pinch roller and capstan

Do the same method as heads.

3. Cabinet

When the cabinet becomes dirty, wipe it with a soft cloth soaked with a neutral cleaning solution of a polishing cloth.
* Do not use thinner or benzine.

Main Adjustments

[I] Equipment and measuring instruments used for adjustment

1. Electrical adjustment

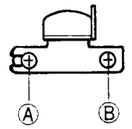
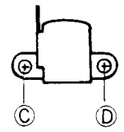
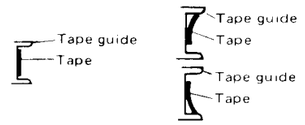
1) Electronic voltmeter
2) Audio frequency oscillator (range: 50–20 kHz and output 0 dB with impedance 600 Ω)
3) Attenuator
4) Standard tapes for REC/PB
   Maxell UD – Norom (SF) tape . . .
   TDK SA – Chrome (SA) tape. . . . } – or equivalent
   JVC ME – Metal tape . . . . . .
5) Reference tapes for playback (JVC Test Tape)
   VTT-658 (for head azimuth adj.)
   VTT-656 (for motor speed, wow flutter adj.)
   VTT-675N (for playback frequency response)
6) Resistor 600 Ω (for attenuator matching)

2. Mechanical adjustment

1) Torque testing cassette gauge, CTG-N.
2) Blank tape (C-120) for tape running checker.

[II] Mechanical adjustment

(Adjust the mechanism or confirm that it is in normal operating condition prior to the adjustment of the electrical circuit.)

Item	Adjustment	Adjusting point	Standard value	Remarks
Adjusting record/playback head position 	1. Connect an electronic voltmeter to the LINE OUT terminals. 2. Play back the VTT-658 test tape. 3. Adjust the head angle with the screw Ⓐ until the reading of the electronic voltmeter becomes maximum for both channels. 4. After adjusting, set the screw with screw bond.	Screw Ⓐ	Maximum	If the head is worn, disconnected or exceedingly magnetized so as not to provide the necessary characteristics, replace it with a new one. After replacement, the head position adjustment as well as the playback level adjustment, the bias current adjustment and the recording level adjustment are all necessary. If the output difference between the left and right channels exceeds 3 – 4 dB, the head is defective. Replace it with a new one.
Adjustment erase head height 	1. Turn the adjusting screw for aligning the erase head until it stops. Then, turn the screw in the reverse direction by 180° (a ½ revolution). 2. Employ a special cassette (C-120) from which parts of the casing, where the erase head, record/playback head and capstan engage, has been cut away. Perform tape transport with the cassette tape. Adjust the screw Ⓒ until the tape runs in the center of the erase head tape guide.	Screw Ⓒ		Be sure to perform this adjustment after replacing the erase head. Correct Incorrect 
Adjusting motor speed	Connect a speed meter (an electronic counter) to the LINE OUT terminals. Play back the VTT-656 test tape. Adjust the semi-fixed resistor in the motor until the reading of the speed meter is 3000 Hz.	Semi-fixed resistor in the motor	3000 Hz	If the speed meter functions as a wow and flutter meter, also, connect the deck to the INPUT terminals of the meter.
Checking wow and flutter	Connect a wow and flutter meter to LINE OUT terminals. Play back the VTT-656 test tape. Check to see if the reading of the meter is within 0.08% (WRMS).		0.08% (WRMS) 0.2% (DIN45500)	If the reading becomes moving value even if conforming to the standard, a re-claim may be raised. Repairs are necessary.
Checking playback torque	Employ a torque testing cassette tape for the checking, or remove the cassette cover and use a torque gauge.		40–70 gr-cm	If the standard torque is not obtained, replace the take-up disc assembly.
Checking fast forward torque	Measure the torque in the fast forward mode in the same manner as in the above.		More than 70 gr-cm	If the standard torque is not obtained, perform the following. 1. Clean the capstan belt, the idler circumference, the motor pulley, the take-up reel disc circumference, the flywheel circumference, etc. 2. Replace the belt and idler.
Checking rewind torque	Measure the torque in the rewind mode in the same manner as in the above.		More than 70 gr-cm	If the standard torque is not obtained, clean the capstan belt, idler, motor pulley, flywheel circumference, rewinding idler circumference, left reel disc circumference, etc.

[III] Electrical adjustments location

Main Amp. P.W. Board (parts assembly side view)
(Turning in the direction of the arrow increases the level.)

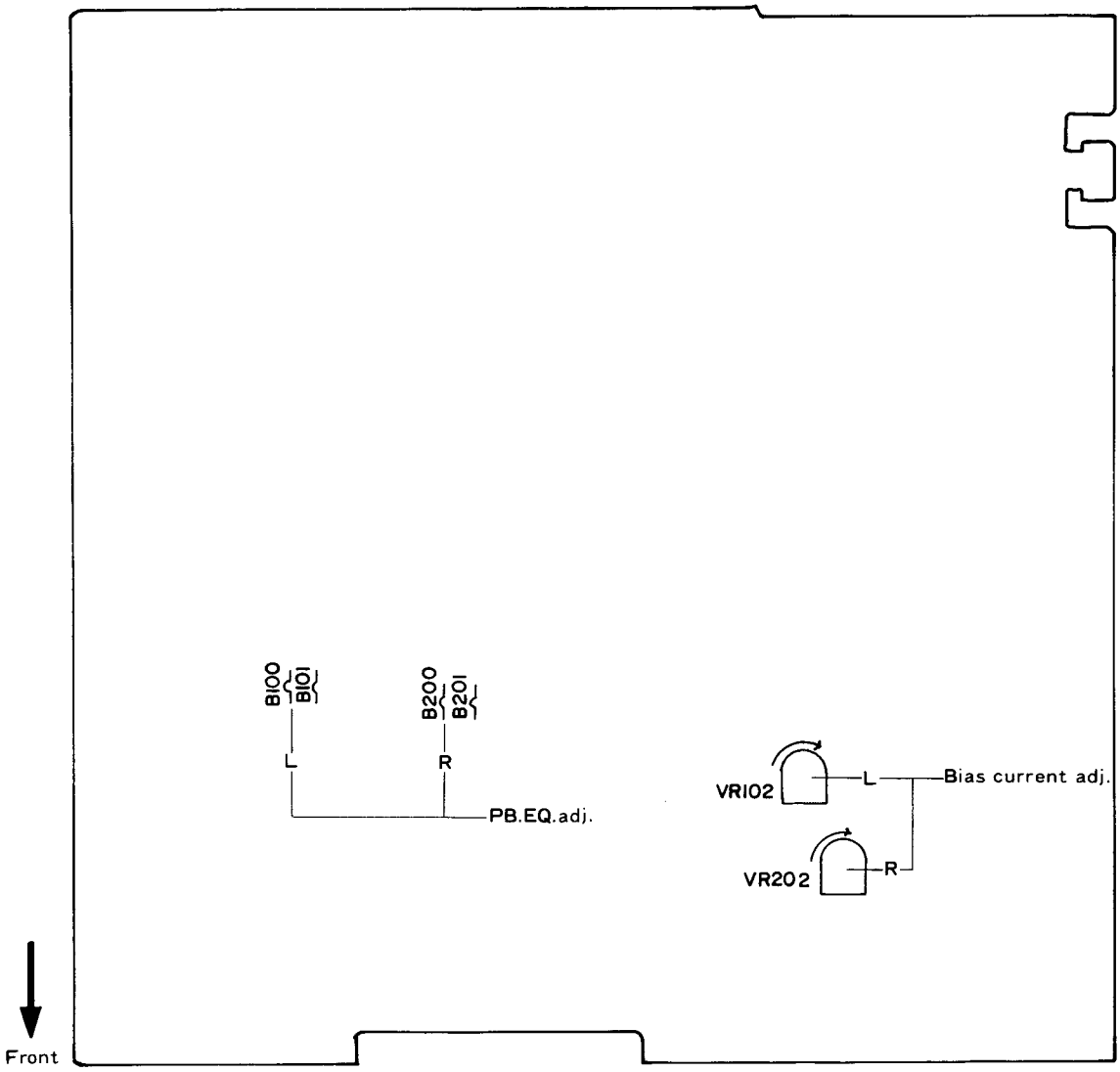


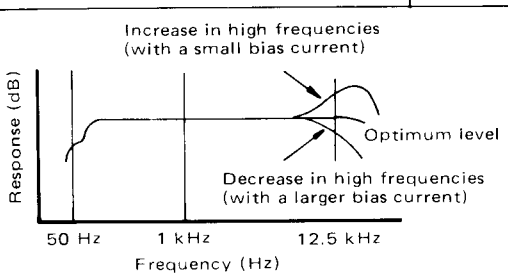
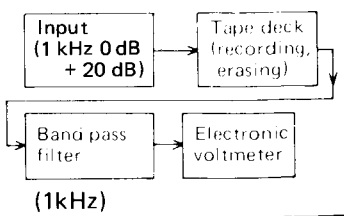
Fig. 14

[IV] Electrical circuit adjustment procedure

In the steps marked by an asterisk (*), adjustment should be performed, however, only checking is sufficient with steps other than those.

Adjustment should be performed in the order of steps 1, 2, 3, ... Perform this adjustment with the NR SYSTEM switch set to OFF.

Step	Item	Adjustment	Adjusting point	Standard value	Remarks
1*	Playback frequency response	Playback test tape VTT-675N (1 kHz, 10 kHz) for following adjustment. 1. Connect/Disconnect B100 or B101 so that 10 kHz signal and 1 kHz signal gains become flat response.	B100, 200 B101, 201	Reference frequency: 1 kHz 0 ± 2 dB at 10 kHz	NR SYSTEM: OFF TAPE SELECT: NORM

Step	Item	Adjustment	Adjusting point	Standard value	Remarks
2	Checking record/ playback frequency response	Record 1 kHz, 50 Hz and 12.5 kHz signals at an input level of 0 dB to −20 dB. Play back the tape. Check to see that the 50 Hz and 12.5 kHz signal output deviations fall within the standard range, using the 1 kHz signal output as a reference. 	For NORM tape; VR102 202	Reference frequency; 1 kHz 0 ± 3 dB at 50 Hz 0 ± 3 dB at 12.5 kHz	This checking should be performed for normal tapes and for both right and left channels. 1. Bias current adjustment for a cassette deck should generally be performed referring to the record/ playback frequency response. This is because the frequency response of a cassette deck depends more greatly upon the bias current than does that of an open reel deck. 2. If the bias current is not properly adjusted, the record and playback characteristics become as shown left.
3	Checking recording level	Apply a 1 kHz −23 ±3 dBV Signal to the LINE. in terminals, play back the recorded part, and check so that Line out terminal level become 0 ± 2.5 dB.		0±2.5dB	The level difference between left and right channels for SF/NORM tape and chrome tape should be less than 3 dB. Perform the adjustment using a normal tape, level difference between recording and playback for SA/CrO_2 and metal tapes, should be less than 3 dB, and that between left and right channels should also be less than 3 dB.
4	Checking record/ playback distortion	1. Record a 1 kHz, −8 dB signal to LINE IN terminals and perform recording with the multi-peak becomes to 0. 2. Play back the recorded part. Check the output with a distortion meter to see if the value conforms to the standard value.		NORM tape; Less than 2.0% CrO_2 tape; Less than 3% Metal tape; Less than 2% (THD)	Be sure to perform this checking following bias current and recording level checking.
5	Checking signal to noise ratio in recording/ playback	1. Record a 1 kHz, 0 dB signal. Stop the input by disconnecting from the terminal to perform non-signal recording. 2. Play back the recorded part. Measure the 0 dB recording output and the non-signal recording output for comparison using an electronic voltmeter. Check to see if the value conforms to the standard value.		NORM, CrO_2 and Metal tapes; More than 42 dB	Apply an output (−72 dBs) to the MIC terminals with the recording level controls set to maximum so that the multi-peak indicator becomes 0 dB.
6	Checking erasing coefficient	1. Apply a 1 kHz signal to the LINE IN terminals. Adjust the recording level controls until the multi-peak indicator becomes 0 dB. 2. Perform recording with the signal enhanced by 20 dB. 3. Erase a part of the recording. 4. Measure the output difference between the erased part and non-erased part to compare with an electronic voltmeter.		More than 65 dB	For the measuring, connect a band pass filter between the deck and the electronic voltmeter. 

Wiring Connection

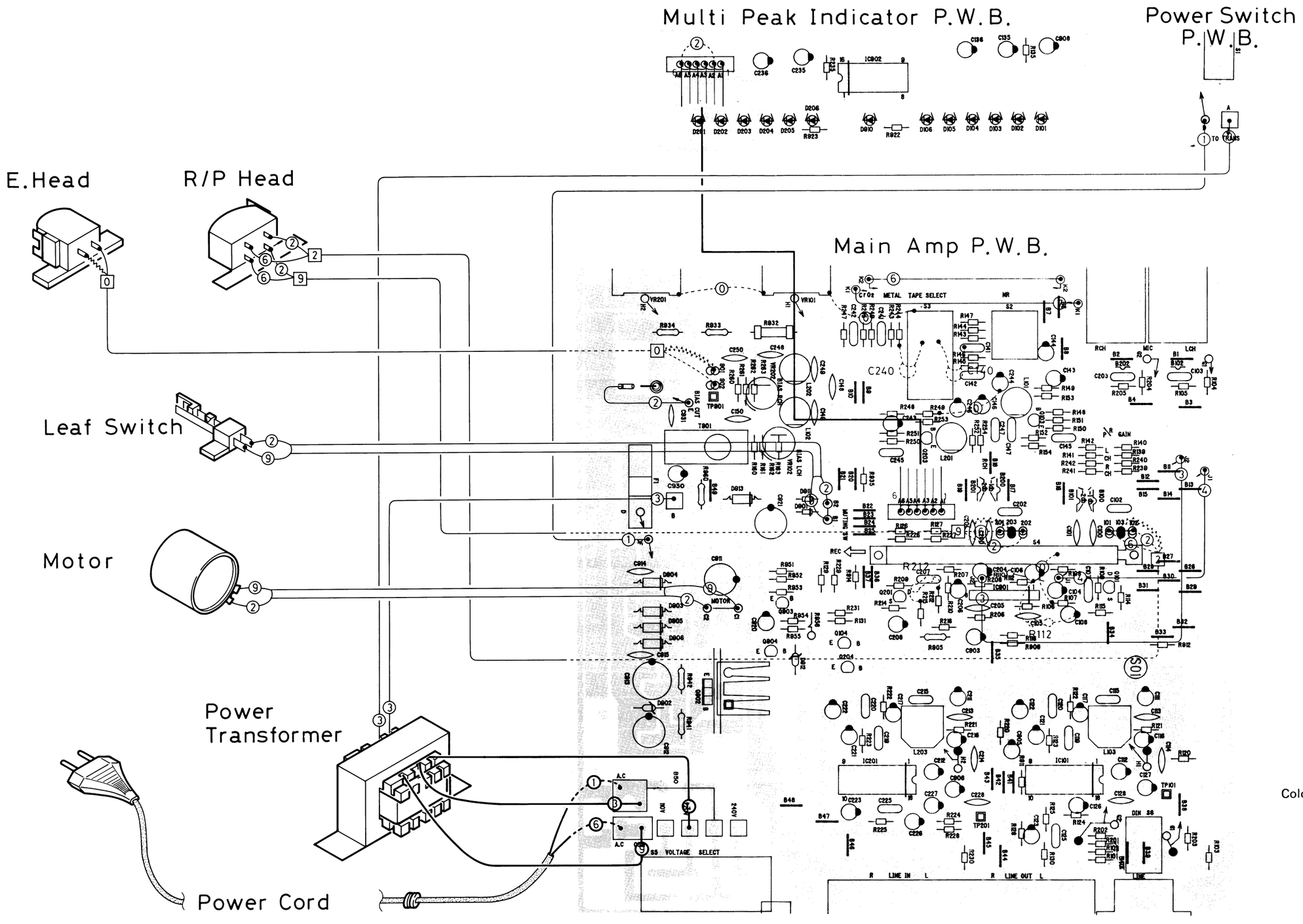
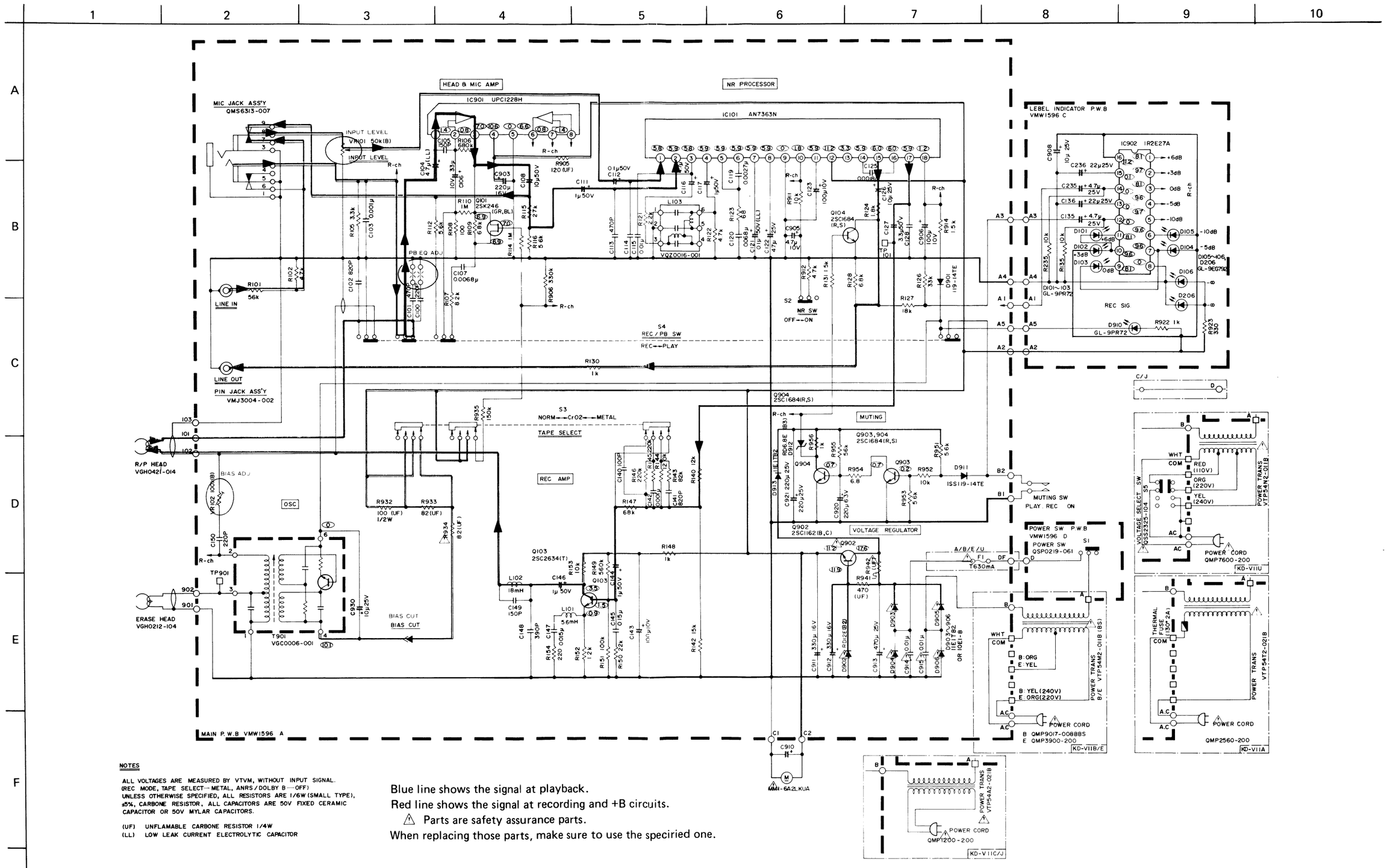


Fig. 15

Color code are shown below

1 ..... Brown
2 ..... Red
3 ..... Orange
4 ..... Yellow
5 ..... Green
6 ..... Blue
7 ..... Violet
8 ..... Grey
9 ..... White
0 ..... Black

Standard Schematic Diagram of KD-V11A/B/C/E/J/U



NOTES

ALL VOLTAGES ARE MEASURED BY VTVM, WITHOUT INPUT SIGNAL.
(REC MODE, TAPE SELECT···METAL, ANRS / DOLBY B ·····OFF)
UNLESS OTHERWISE SPECIFIED, ALL RESISTORS ARE 1/6W (SMALL TYPE), ±5%, CARBONE RESISTOR, ALL CAPACITORS ARE 50V FIXED CERAMIC CAPACITOR OR 50V MYLAR CAPACITORS.

(UF) UNFLAMABLE CARBONE RESISTOR 1/4W
(LL) LOW LEAK CURRENT ELECTROLYTIC CAPACITOR

Blue line shows the signal at playback.
Red line shows the signal at recording and +B circuits.
⚠ Parts are safety assurance parts.
When replacing those parts, make sure to use the speciried one.

Fig. 16

P.W. Board Parts

Fig. 17

Voltage volues

■ Measured Voltage Values

	E. Voltmeter			C. Tester		
	E(S)	C(G)	B(D)	E(S)	C(G)	B(D)
Q101, 201	6.9	7.0	6.9	6.9	2.0	6.9
Q103, 203	0.8	3.4	1.4	0.8	3.4	1.4
Q104, 204	0	0	0	0	0	0
Q902	11.2	17.6	11.9	11.2	17.6	11.9
Q903	0	0.7	0.2	0	0.7	0.2
Q904	0	0	0.7	0	0	0.7

	IC101		IC201		IC901		IC902	
	E. Volt.	T. Volt.	E. Volt.	T. Volt.	E. Volt.	T. Volt.	E. Volt.	T. Volt.
1	5.3	4.8	5.8	4.7	1.4	0.7	8.1	8.1
2	5.8	4.7	5.9	4.7	0.8	0.7	9.7	9.7
3	5.8	5.4	5.8	5.5	7.0	7.0	8.1	8.1
4	5.8	4.7	5.9	4.7	10.6	10.6	9.6	9.6
5	5.9	5.6	5.9	5.6	0	0	9.7	9.7
6	5.9	5.6	5.9	5.6	6.6	6.6	9.6	9.6
7	5.9	5.4	5.9	5.4	0.8	0.7	9.6	9.6
8	5.9	5.6	5.9	5.6	1.4	1.3	0	0
9	0.5	0	0.3	0			8.1	8.1
10	1.8	1.5	1.8	1.5			9.6	9.6
11	5.9	5.4	5.9	5.5			8.1	8.1
12	11.2	10.5	11.2	10.5			0	0
13	3.3	3.1	3.3	3.1			0	0
14	5.9	5.5	5.9	5.5			0	0
15	5.9	5.6	6.0	5.6			0	0
16	6.0	5.6	6.0	5.6			11.2	11.2
17	5.9	5.6	5.9	5.6				
18	1.2	1.1	1.2	1.1				

E. Volt. = Voltage measured by Electronic Voltmeter
T. Volt. = Voltage measured by Circuit Tester

Note: Voltage values are measured by the following meter without input signal at NR SW = OFF, in recording mode.
E. Voltmeter = Electronic Voltmeter
C. Tester = Circuit Tester (20 kΩ/V impedance)
Tester's range: 10 V range — less than 10 V
50 V range — 10 V or more

+B
Earth

➡ Front

Main Amp. P.W. Board Parts List

Ref. No.	⚠	Parts No.	Parts Name	Remarks
		VMW1596-xxxA	Main P.W. Board	
R101,R201		QRD161J-563	C. Resistor	56 kΩ 1/6 W
R102,R202		QRD161J-473	"	47 kΩ 1/6 W
R103,R203		QRD161J-102	"	1 kΩ 1/6 W
R104,R204		QRD161J-822	"	8.2kΩ 1/6 W
R105,R205		QRD161J-472	"	4.7 kΩ 1/6 W
R106,R206		QRD161J-684	"	680 kΩ 1/6 W
R107,R207		QRD161J-822	"	8.2 kΩ 1/6 W
R108,R208		QRD161J-101	"	100 Ω 1/6 W
R109,R209		QRD161J-682	"	6.8 kΩ 1/6 W
R110,R210		QRD161J-105	"	1 MΩ 1/6 W
R112,R212		QRD161J-562	"	5.6 kΩ 1/6 W
R114,R214		QRD161J-105	"	1 MΩ 1/6 W
R115,R215		QRD161J-273	"	27 kΩ 1/6 W
R116,R216		QRD161J-562	"	5.6 kΩ 1/6 W
R121,R221		QRD161J-222	"	2.2 kΩ 1/6 W
R122,R222		QRD161J-472	"	4.7 kΩ 1/6 W
R123,R223		QRD161J-680	"	68 Ω 1/6 W
R124,R224		QRD161J-182	"	1.8 kΩ 1/6 W
R126,R226		QRD161J-333	"	33 kΩ 1/6 W
R127,R227		QRD161J-183	"	18 kΩ 1/6 W
R128,R228		QRD161J-682	"	6.8 kΩ 1/6 W
R129,R229		QRD161J-102	"	1 kΩ 1/6 W
R130,R230		QRD161J-332	"	3.3 kΩ 1/6 W
R131,R231		QRD161J-152	"	1.5 kΩ 1/6 W
R140,R240		QRD161J-123	"	12 kΩ 1/6 W
R142,R242		QRD161J-153	"	15 kΩ 1/6 W
R143,R243		QRD161J-823	"	82 kΩ 1/6 W
R144,R244		QRD161J-124	"	120 kΩ 1/6 W
R145,R245		QRD161J-224	"	220 kΩ 1/6 W
R146,R246		QRD161J-224	"	220 kΩ 1/6 W
R147,R247		QRD161J-683	"	68 kΩ 1/6 W
R148,R248		QRD161J-102	"	1 kΩ 1/6 W
R149,R249		QRD161J-564	"	560 kΩ 1/6 W
R150,R250		QRD161J-223	"	22 kΩ 1/6 W
R151,R251		QRD161J-104	"	100 kΩ 1/6 W
R152,R252		QRD161J-122	"	1.2 kΩ 1/6 W
R153,R253		QRD161J-103	"	10 kΩ 1/6 W
R154,R254		QRD161J-221	"	220 Ω 1/6 W
R905		QRD149J-121S	Fail Safety Resistor	120 Ω 1/4 W
R906		QRD161J-334	C. Resistor	330 kΩ 1/6 W
R911		QRD161J-103	"	10 kΩ 1/6 W
R912		QRD161J-472	"	4.7 kΩ 1/6 W
R914		QRD161J-152	"	1.5 kΩ 1/6 W
R932		QRD129J-101	O.M.F. Resistor	100 Ω 1/2 W
R933		QRD149J-820S	Fail Safety Resistor	82 Ω 1/4 W
R934	⚠	QRD149J-8R2S	"	8.2 Ω 1/4 W
R935		QRD161J-154	C. Resistor	150 kΩ 1/6 W
R941		QRD149J-471S	Fail Safety Resistor	470 Ω 1/4 W
R942	⚠	QRD149J-1R0S	"	1 Ω 1/4 W
R951		QRD161J-562	C. Resistor	5.6 kΩ 1/6 W
R952		QRD161J-103	"	10 kΩ 1/6 W
R953		QRD161J-562	"	5.6 kΩ 1/6 W
R954		QRD161J-6R8	"	6.8 Ω 1/6 W
R955		QRD161J-563	"	56 kΩ 1/6 W
R956		QRD144J-102	"	1 kΩ 1/4 W
C100,C200		QCS11HJ-221	C. Capacitor	220 pF 50 V
C101,C201		QCS11HJ-471	"	470 pF 50 V
C102,C202		QCS31HJ-821	"	820 pF 50 V
C103,C203		QFM41HJ-122	Mylar Capacitor	1200 pF 50 V
C104,C204		QEB41EM-475	E. Capacitor	4.7 μF 25 V
C105,C205		QCS11HJ-151	C. Capacitor	150 pF 50 V

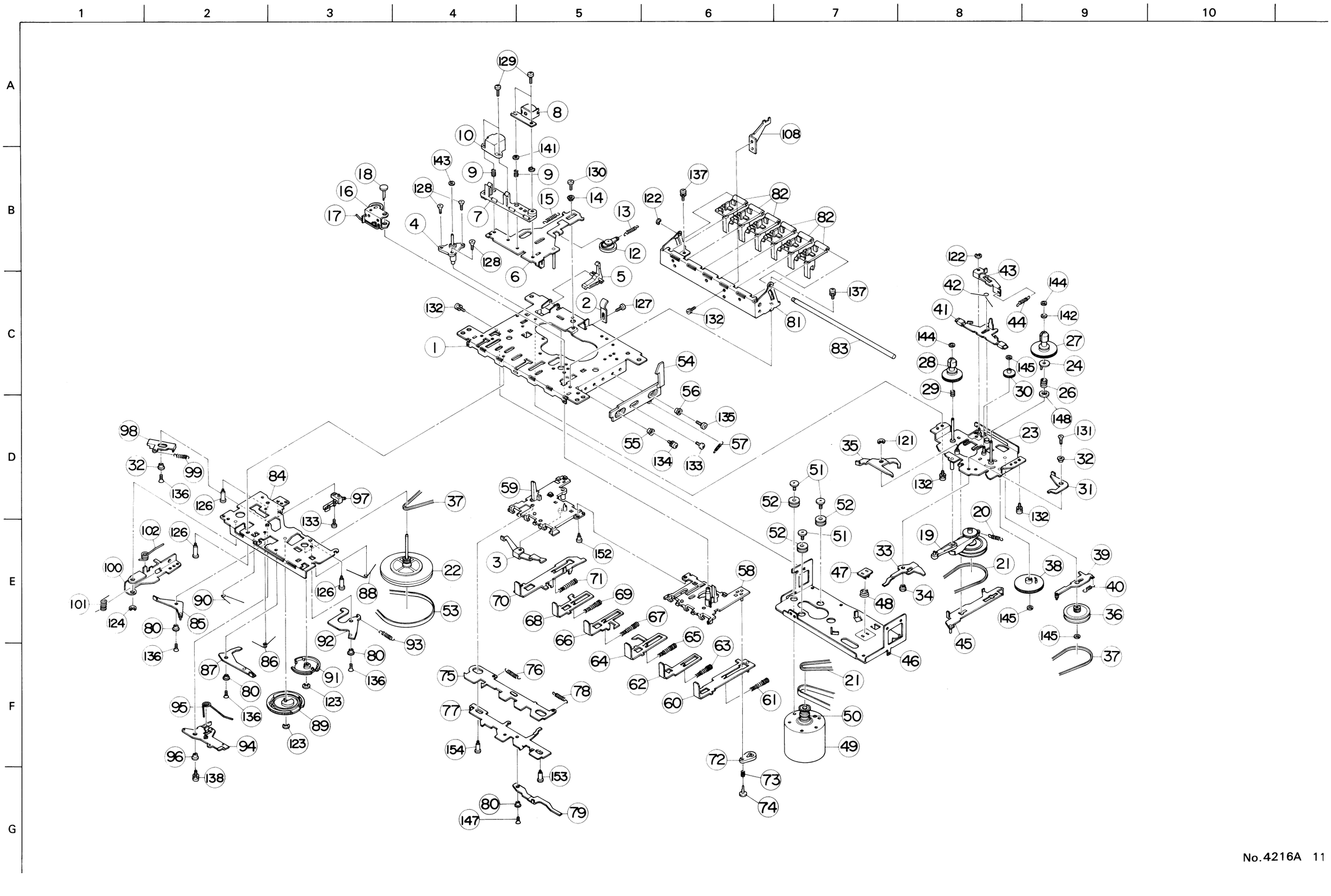
Ref. No.	⚠	Parts No.	Parts Name	Remarks
C106,C206		QET41AR-336	E. Capacitor	33 μF 10 V
C107,C207		QFM41HJ-682	Mylar Capacitor	6800 pF 50 V
C108,C208		QET41HR-106	E. Capacitor	10 μF 50 V
C111,C211		QET41HR-105	"	1 μF 50 V
C112,C212		QET41HR-105	"	1 μF 50 V
C113,C213		QCS11HJ-471	C. Capacitor	470 pF 50 V
C115,C215		QFM31HJ-103	Mylar Capacitor	0.01 μF 50 V
C116,C216		QET41HR-475	E. Capacitor	4.7 μF 50 V
C117,C217		QET41HR-105	"	1 μF 50 V
C119,C219		QFM41HJ-272	Mylar Capacitor	2700 pF 50 V
C120,C220		QFM41HJ-683	"	0.068 μF 50 V
C121,C221		QEB41HM-104	E. Capacitor	0.1 μF 50 V
C122,C222		QET41HR-475	"	4.7 μF 50 V
C123,C223		QET41AR-107	"	100 μF 10 V
C125,C225		QFM41HJ-182	Mylar Capacitor	1800 pF 50 V
C126,C226		QET41ER-106	E. Capacitor	10 μF 25 V
C127,C227		QET41HR-335	"	33 μF 50 V
C140,C240		QCS11HJ-101	C. Capacitor	100 pF 50 V
C141,C241		QFM41HJ-821	Mylar Capacitor	820 pF 50 V
C142,C242		QFM41HJ-102	"	1000 pF 50 V
C143,C243		QET41AR-107	E. Capacitor	100 μF 10 V
C144,C244		QET41HR-105	"	1 μF 50 V
C145,C245		QFM41HJ-154	Mylar Capacitor	0.15 μF 50 V
C146,C246		QET41HR-105	E. Capacitor	1 μF 50 V
C147,C247		QFM41HJ-153	Mylar Capacitor	0.015 μF 50 V
C148,C248		QCS11HJ-391	C. Capacitor	390 pF 50 V
C149,C249		QCS42HJ-151	"	150 pF 500 V
C150,C250		QCY22HK-221	"	220 pF 500 V
C903		QET41CR-227	E. Capacitor	220 μF 50 V
C905		QET41AR-476	"	47 μF 10 V
C906		QET41AR-107	"	100 μF 10 V
C911		QET51CR-337	"	330 μF 16 V
C912		QET51CR-337	"	330 μF 16 V
C913		QET51ER-477	"	470 μF 25 V
C914,C915	⚠	QCF11HP-103	C. Capacitor	0.01 μF 50 V
C920		QET41AR-227	E. Capacitor	220 μF 10 V
C921		QET51ER-227	"	220 μF 25 V
C930		QET61ER-106	"	10 μF 25 V
VR101		QVP4A0B-104	V. Resistor	100 kΩ
VR202		QVP4A0B-104	"	100 kΩ
L101,L201		VQP0001-562S	Inductor	
L102,L202		VQP0001-183S	"	
L103,L203		VQZ0016-001	MPX Filter	
T901		VGC0006-001	Osc. Block	
S4		QSS9201-005R	Slide Switch	REC/PB
S2		QSL2209-002	Lever Switch	NR
S3		QSL4309-021	Lever Switch	Tape Select
		VMJ3004-002	Jack Ass'y	KD-V11J
		VMJ3004-102	"	
		QMS6313-007	Mic. Jack	
		VKL5002-001	Heat Sink	for Q902
		DPSP3008Z	Screw	for "
		VMH4003-003	Heat Sink	KD-V11U for Q902
		SSSP3006Z	Screw	for "
F1		TAZ000331-02	Fuse Holder	KD-V11A/B/E/E(D)/U
F1		QMF51A2-R63BS	Fuse	KD-V11B
		QMF51A2-R63	"	KD-V11A/E/E(D)/U

Ref. No.	⚠	Parts No.	Parts Name	Remarks
		QMC9014-007	DIN Socket	KD-V11E(D)
		QSP2210-061	Push Switch	KD-V11E(D)
		VMA4177-001	Insulator	
		TAW000504-01	Connector	KD-V11C/J
Q101,Q201		2SK246(GR,BL)	FET	
Q103,Q203		2SC2634(T)	Si. Transistor	
Q104,Q204		2SC1684(R,S)	"	
Q902	⚠	2SC1162(B,C)	"	
Q903,Q904		2SC1684(R,S)	"	
IC101–201		AN7363N	I.C.	
IC901		UPC1228H	"	
D901		1SS119-14TE	Si. Diode	
D902	⚠	RD12E(B2)	Z. Diode	
D903,D904	⚠	11E1TB2	Si. Diode	
D905,D906	⚠	11E1TB2	"	
D911		1SS119-14TE	"	
D912		RD6.8E(B3)	Z. Diode	
D913		11E1TB2	Si. Diode	
R117,R217		QRD161J-103	C. Resistor	10 kΩ 1/6 W KD-V11E(D)
R118,R218		QRD161J-103	C. Resistor	10 kΩ 1/6 W KD-V11E(D)
R960		QRD161J-103	C. Resistor	10 kΩ 1/6 W KD-V11E(D)
D914		1SS119-14TE	Si. Diode	KD-V11E(D)
Q102,Q202		2SC1684(R,S)	Transistor	KD-V11E(D)

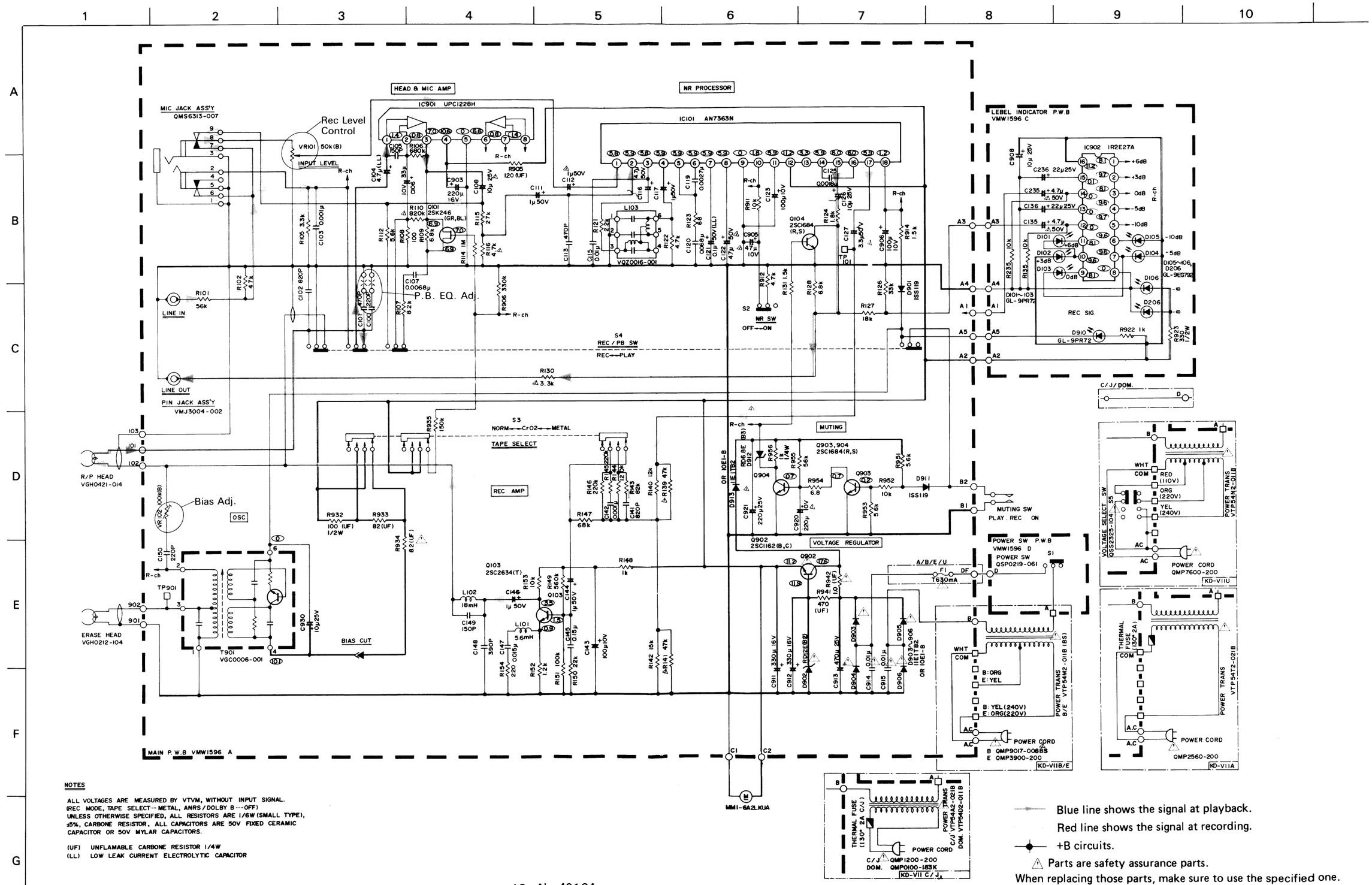
Other P.W. Board Parts List

Ref. No.	⚠	Parts No.	Parts Name	Remarks
[LED P.W.B.]				
		VMW1596-xxB	LED Board	
R135,R235		QRD161J-103	C. Resistor	10 kΩ 1/6 W
R922		QRD161J-102	"	1 kΩ 1/6 W
R923		QRD161J-331	"	330Ω 1/2W
C135,C235		QET41HR-475	E. Capacitor	4.7 μF 50 V
C136,C236		QET41ER-226	"	22 μF 25 V
C908		QET41ER-106	"	10 μF 25 V
IC902		IR2E27A	I.C.	
D101–103		GL-9PR72	LED	
D201–203		"	"	
D104–106		GL-9EG792	"	
D204–206		"	"	
D910		GL-9PR72	"	
		VKS4532-001	LED Holder	
[Switch P.W.B.]				
		VMW1596-xxD	P.W. Board	
		QSP0219-061	Push Switch	for Power
[Voltage Selector]				
		VMW1596-xxC	P.W. Board	KD-V11U
S5		QSC2325-104	Voltage Select Switch	KD-V11U

Mechanical Component Parts of KD-V11A/B/C/E/E(D)/J/U and KD-V11NA/NB/NC/NE/NE(D)/NJ/NU



Standard Schematic Diagram of KD-V11A/B/C/E/J/U KD-V11NA/NB/NC/NE/NJ/NU



NOTES

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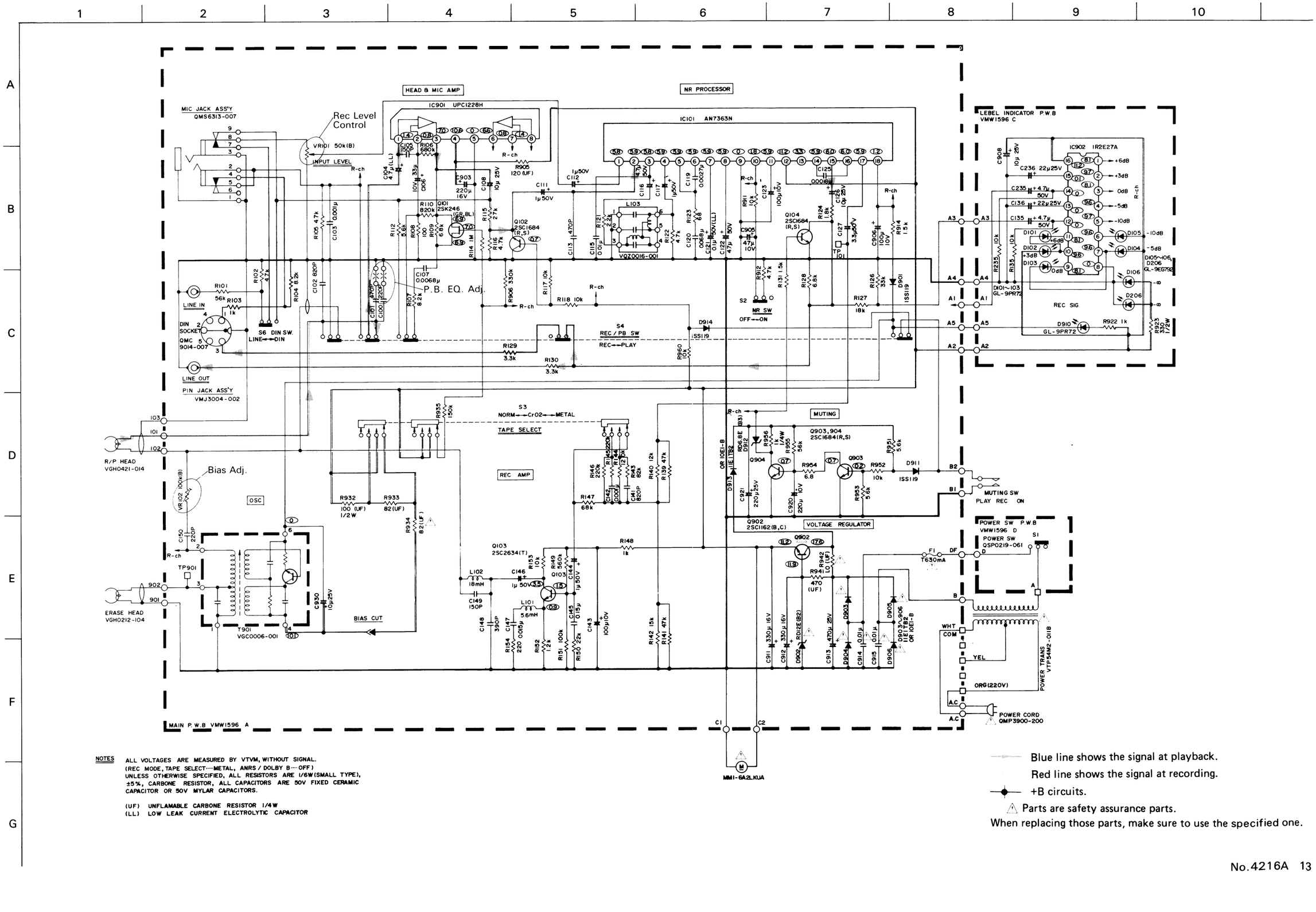
(UF) UNFLAMABLE CARBONE RESISTOR 1/4W
(LL) LOW LEAK CURRENT ELECTROLYTIC CAPACITOR

Blue line shows the signal at playback.
Red line shows the signal at recording.
+B circuits.
△ Parts are safety assurance parts.
When replacing those parts, make sure to use the specified one.

Standard Schematic Diagram of KD-V11E(D) and KD-V11NE(D)

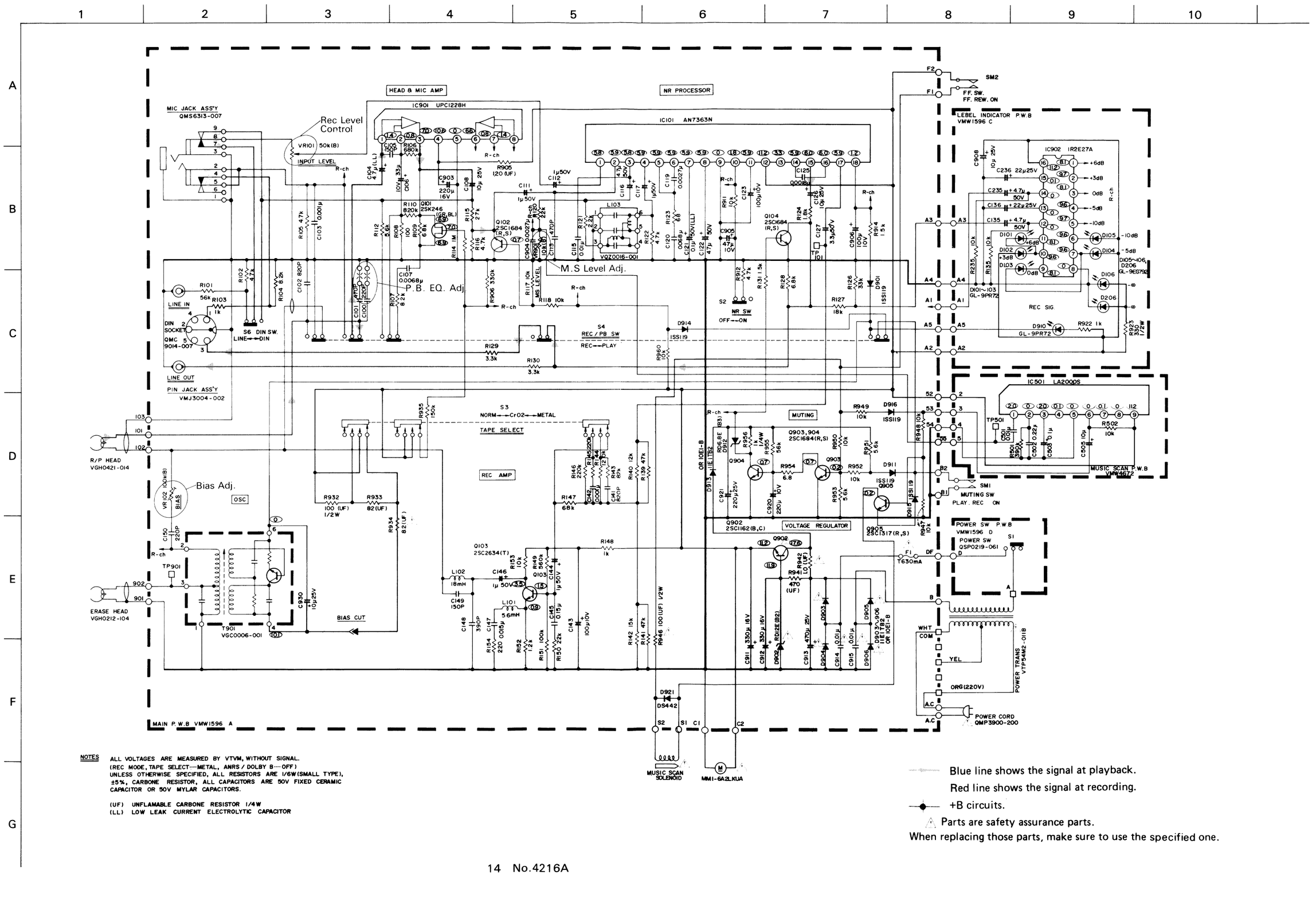


NOTES ALL VOLTAGES ARE MEASURED BY VTVM, WITHOUT SIGNAL.
(REC MODE, TAPE SELECT----METAL, ANRS / DOLBY B---OFF)
UNLESS OTHERWISE SPECIFIED, ALL RESISTORS ARE 1/6W(SMALL TYPE), ±5%, CARBONE RESISTOR, ALL CAPACITORS ARE 50V FIXED CERAMIC CAPACITOR OR 50V MYLAR CAPACITORS.

(UF) UNFLAMABLE CARBONE RESISTOR 1/4W
(LL) LOW LEAK CURRENT ELECTROLYTIC CAPACITOR

Blue line shows the signal at playback.
Red line shows the signal at recording.
+B circuits.
⚠ Parts are safety assurance parts.
When replacing those parts, make sure to use the specified one.

Standard Schematic Diagram of KD-V11E(E) and KD-V11NE(E)



NOTES ALL VOLTAGES ARE MEASURED BY VTVM, WITHOUT SIGNAL.
(REC MODE, TAPE SELECT····METAL, ANRS / DOLBY B···· OFF)
UNLESS OTHERWISE SPECIFIED, ALL RESISTORS ARE 1/6W(SMALL TYPE), ±5%, CARBONE RESISTOR, ALL CAPACITORS ARE 50V FIXED CERAMIC CAPACITOR OR 50V MYLAR CAPACITORS.

(UF) UNFLAMABLE CARBONE RESISTOR 1/4W
(LL) LOW LEAK CURRENT ELECTROLYTIC CAPACITOR

Blue line shows the signal at playback.
Red line shows the signal at recording.
+B circuits.
⚠ Parts are safety assurance parts.
When replacing those parts, make sure to use the specified one.

Enclosure Assembly and Electrical Parts

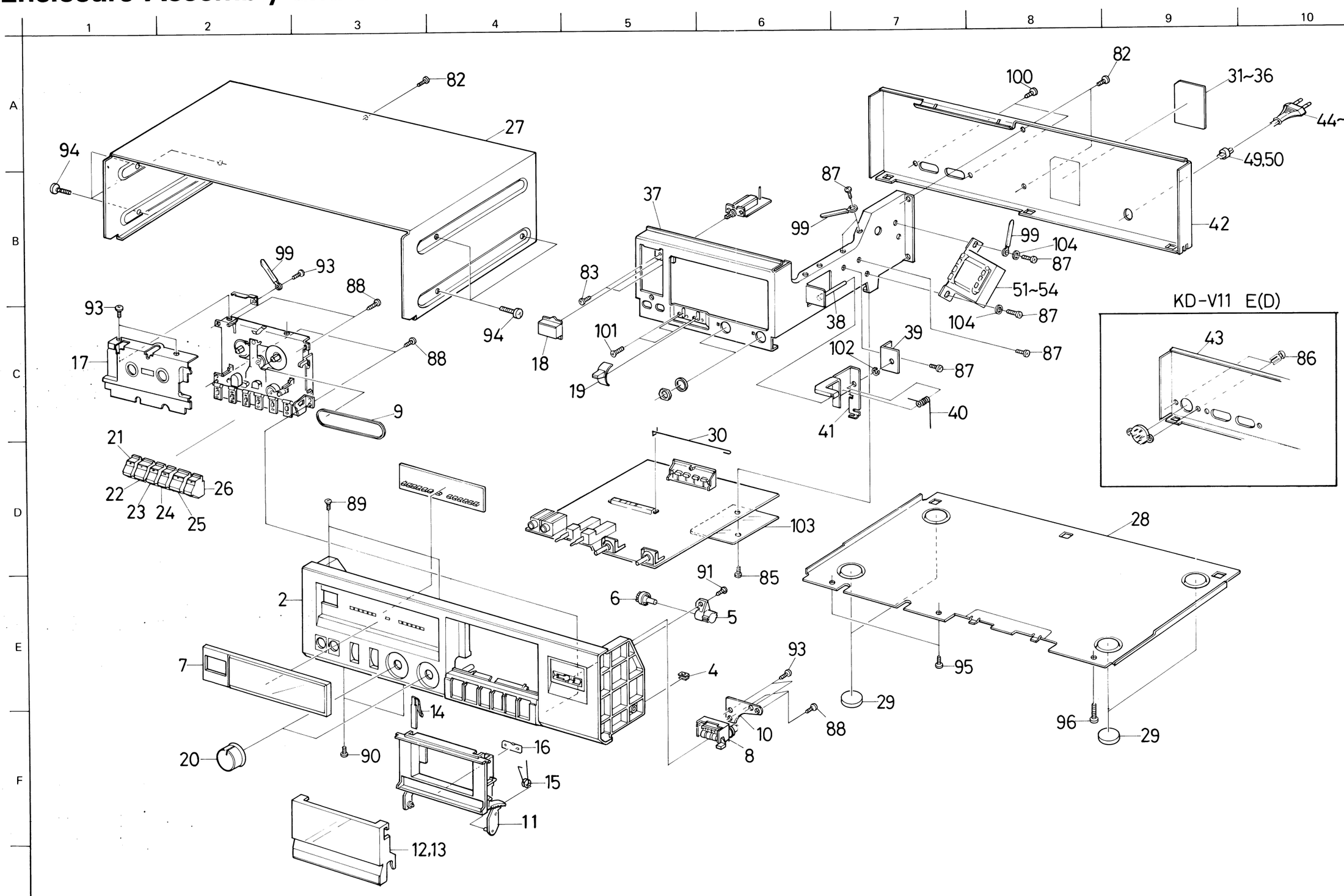


Fig. 18

Mechanical Component Parts

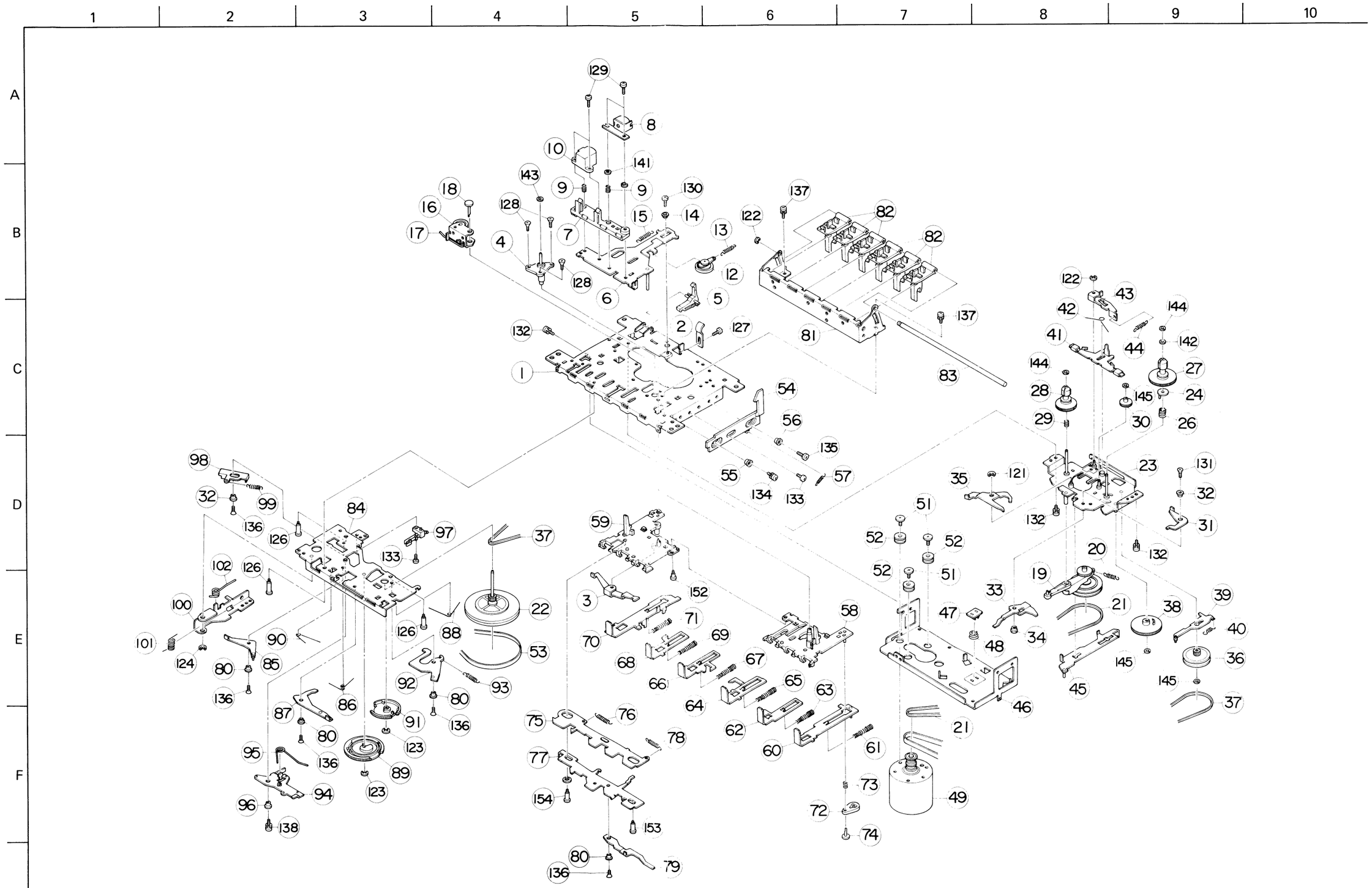


Fig. 19

JVC

Supplementary
SERVICE MANUAL

MODEL
KD-V11 A/B/C/E/E(D)/J/U
STEREO CASSETTE DECK

This manual is a supplement to the service manual for the model KD-V11A/B/C/E/E(D)/J/U (No. 4216). Changes and additions to the service manual are as follow:

1. Add – Model KD-V11E(E) (equipped with a Music Scan circuit)
2. Add – Model KD-V11NA/NB/NC/NE/NE(D)/NE(E)/NJ/JU (Black finished type)
3. Add – Comparison Table of LED Lens by Model
4. Changes – P.W.B. schematic diagrams, Exploded views, All parts and Accessories lists

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No. 4216A
April 1983

Main Amp. P.W. Board Parts List

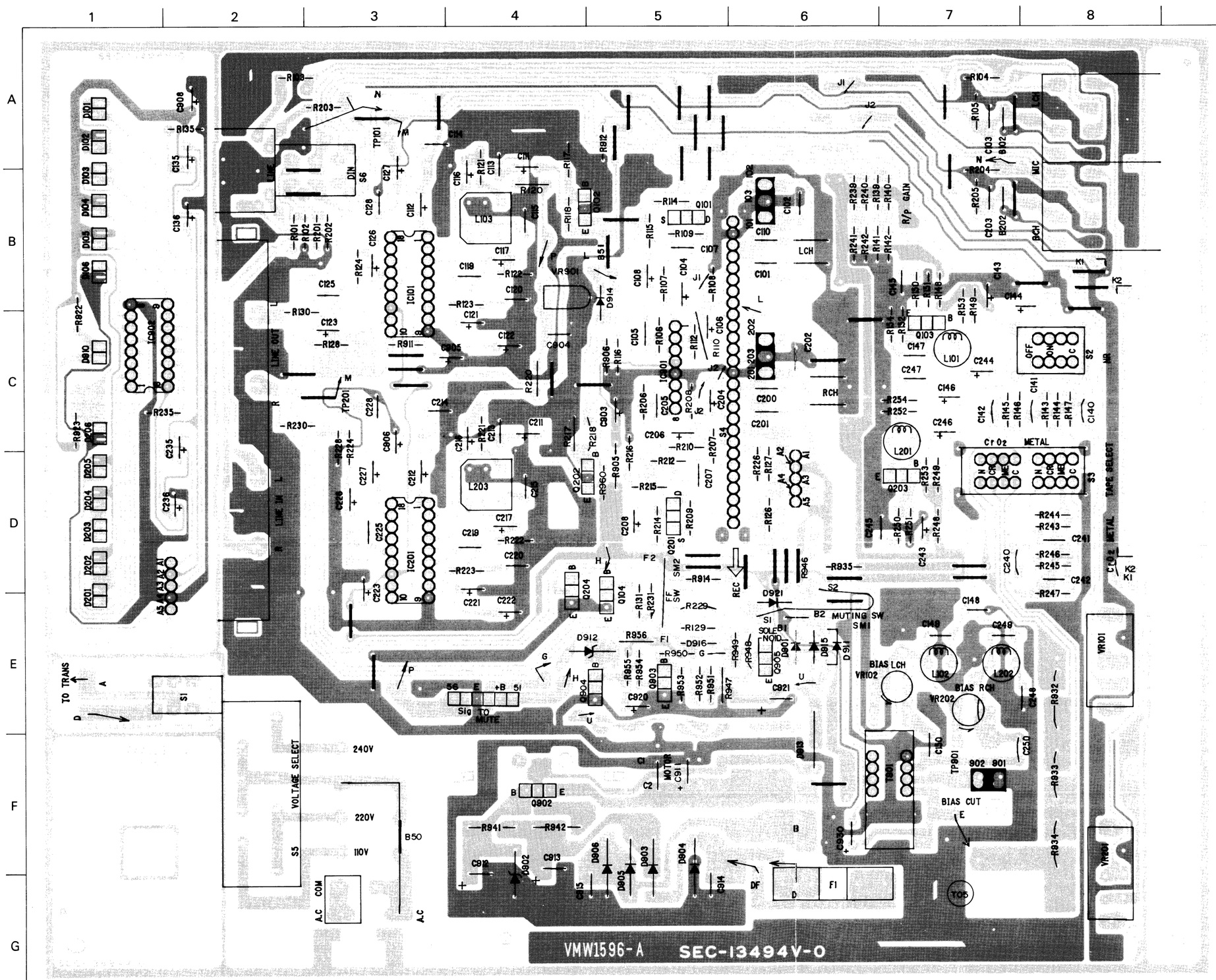
⚠ parts are safety assurance parts.
When replacing those parts,
make sure to use the specified one.

⚠	Ref. No.	Parts No.	Parts Name	Remarks
	[Main P.W. Board]			
	[Resistors]			
	R101, 201	QRD161J-563	Carbon	
	R102, 202	" -473	"	
	R103, 203	" -102	"	KD-V11E(D)/NE(D)
	R104, 204	" -822	"	KD-V11E(D)/NE(D)
	R105, 205	" -472	"	KD-V11E(D)/NE(D)
	"	" -332	"	KD-V11A/B/C/E/E(E)/ KD-V11NA/NB/NC/ NE/NJ/NU
	R106, 206	" -684	"	
	R107, 207	" -822	"	
	R108, 208	" -101	"	
	R109, 209	" -682	"	
	R110, 210	" -824	"	
	R112, 212	" -562	"	
	R114, 214	" -105	"	
	R115, 215	" -273	"	
	R116, 216	" -472	"	
	R117, 217	" -103	"	KD-V11E(D)/NE(D)
	R118, 218	" -103	"	KD-V11E(D)/NE(D)
	R121, 211	" -222	"	
	R120, 220	" -223	"	KD-V11E(E)
	R122, 212	" -472	"	
	R123, 223	" -680	"	
	R124, 224	" -182	"	
	R126, 226	" -333	"	
	R127, 227	" -183	"	
	R128, 228	" -682	"	
	R129, 229	" -332	"	KD-V11E(D)/NE(D)
	R130, 230	" -332	"	
	R131, 231	" -152	"	
	R139, 239	" -473	"	
	R140, 240	" -123	"	
	R141, 241	" -473	"	
	R142, 242	" -153	"	
	R143, 243	" -823	"	
	R144, 244	" -124	"	
	R145, 245	" -224	"	
	R146, 246	" -224	"	
	R147, 247	" -683	"	
	R148, 248	" -102	"	
	R149, 249	" -564	"	
	R150, 250	" -223	"	
	R151, 251	" -104	"	
	R152, 252	" -122	"	
	R153, 253	" -103	"	
	R154, 254	" -221	"	
	R905	QRD149J-121S	Fail Safe	
	R906	QRD161J-334	Carbon	
	R911	" -103	"	
	R912	" -472	"	
	R914	" -152	"	
	R932	QRD129J-101	Fail Safe	
	R933	QRD149J-820S	"	
⚠	R934	QRD149J-8R2S	"	
	R935	QRD161J-154	Carbon	
	R941	QRD149J-471S	Carbon	

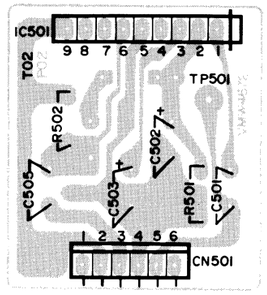
⚠	Ref. No.	Parts No.	Parts Name	Remarks
⚠	R942	" -1R0S	"	
⚠	R946	QRD129J-101	Fail Safe	KD-V11E(E)
	R947	QRD161J-103	Carbon	KD-V11E(E)
	R948–950	" -103	"	KD-V11E(E)
	R951	" -562	"	
	R952	QRD161J-103	Carbon	
	R953	" -562	"	
	R954	" -6R8	"	
	R955	" -563	"	
	R956	" -102	"	
	R960	" -103	"	KD-V11E(D)NE(D)
	[Capacitors]			
	C100, 200	QCS11HJ-221	Ceramic	
	C101, 201	" -471	"	
	C102, 202	" -821	"	
	C103, 203	QFM41HJ-102	Mylar	
	C104, 204	QEB41EM-475	Electrolytic	
	C105, 205	QCS11HJ-151	Ceramic	
	C106, 206	QET41AR-336	Electrolytic	
	C107, 207	QFN41HJ-682	Mylar	
	C108, 208	QET41ER-106	Electrolytic	
	C111, 211	QET41HR-105	"	
	C112, 212	" -105	"	
	C113, 213	QCS11HJ-471	Ceramic	
	C115, 215	QFN41HJ-103	Mylar	
	C116, 216	QET41HR-475	Electrolytic	
	C117, 217	" -105	"	
	C119, 219	QFN41HJ-272	Mylar	
	C120, 220	" -683	"	
	C121, 221	QEB41HM-104	Electrolytic	
	C122, 222	QET41HR-475	"	
	C123, 223	QET41AR-107	"	
	C125, 225	QFN41HJ-182	Mylar	
	C126, 226	QET41ER-106	Electrolytic	
	C127, 227	QET41HR-335	"	
	C141, 241	QCS41HJ-821	Ceramic	
	C142, 242	QFN41HJ-102	Mylar	
	C143, 243	QET41AR-107	Electrolytic	
	C144, 244	QET41HR-105	"	
	C145, 245	QFN31HJ-154	Mylar	
	C146, 246	QET41HR-105	Electrolytic	
	C147, 247	QFN41HJ-153	Mylar	
	C148, 248	QCS11HJ-391	Ceramic	
	C139, 249	QCS12HJ-151	"	
	C150, 250	QCY22HK-221	"	
	C903	QET41CM-227	Electrolytic	
	C904	QFN41HJ-272	Mylar	KD-V11E(E)
	C905	QET41AR-476	Electrolytic	
	C906	" -107	"	
	C911	QET41CR-337	"	
	C912	" -337	"	
	C913	QET41ER-477	"	
⚠	C914, 915	QCF11HP-103	Ceramic	
	C920	QET41AR-227	Electrolytic	
	C921	QET41ER-227	"	
	C930	" -106	"	

To be continued on page 4.

P.W. Board Parts



11E(E) Only MS, PWB



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Earth

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⚠	Ref. No.	Parts No.	Parts Name	Remarks
	VR101,201	QVF0A2A-054	V. Resistor	Rec., Input
	VR102,202	QVP4A0B-104	"	Bias Control
	L101, 201	VQP0001-562S	Inductor	
	L102, 202	" -183S	"	
	L103, 203	VQZ0016-001	MPX Filter	
	T901	VGC0006-001	Osc. Block	
	S2	QSL2209-002	Lever Switch	NR Switch
	S3	QSL4309-021	Lever Switch	Tape Select
		VMJ3004-102	Jack Ass'y	Pin Jack
	S4	QSS9201-005R	Slide Switch	Rec/P.B.
		VKL5002-001	Heat Sink	for Q902 except KD-V11U
		VMH4003-003	"	for Q902 KD-V11U
		QMS6313-007	Mic Jack	Mic, H.phone Ass'y Jack KD-V11A/B/C/E/E(D)/E(E)/J/U
		QMS6313-012	"	Mic,H.phone Ass'y jack KD-V11NA/B/C/E/U
	Q101, 201	2SK246(GR,BL)	F.E.T.	
	Q102, 202	2SC1684(R,S)	Si. Transistor	KD-V11E(D)/NE(D)
	Q103, 203	2SC2634(R,S)	"	
	Q104, 204	2SC1684(R,S)	"	
⚠	Q902	2SC1162(B,C)	"	
	Q903, 904	2SC1684(R,S)	"	
	Q905	2SC1317(R,S)	"	KD-V11E(E)
	IC101,201	AN7363N	I.C.	
	IC901	μPC1228H	"	
	D901	1SS119	Si. Diode	
⚠	D902	RD12E(B2)	Ze. Diode	
⚠	D903, 904	10E1	"	
⚠	D905–906	"	"	
	D911	1SS119	Si. Diode	
	R912	RD6.8E(B3)	Ze. Diode	
	D913	10E1	Si. Diode	
	D914	1SS119	"	KD-V11E(D)/NE(D)
	D915	"	"	KD-V11E(E)
	D916	"	"	KD-V11E(E)
	D921	DS442	"	KD-V11E(E)

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⚠	Ref. No.	Parts No.	Parts Name	Remarks
	VR901	QVZ1802-103	V. Resistor	KD-V11E(E)
		TAZ000331-02		for F1 except KD-V11C/J/NC/NJ
	[LED P.W. Board]			
	R135, 235	QRD161J-103	C. Resistor	
	R922	" -102	"	
	R923	QRD121J-331	"	
	C135, 235	QET41HR-475	E. Capacitor	
	C136, 236	QET41ER-226	"	
	C908	" -106	"	
	IC902	IR2E27A	I.C.	
	D101–103 D201–203	GL-9PR72	LED	
	D104–106 D204–206	GL-9EG792	"	
	D910	GL-9PR72	"	
		QMC9014-007	DIN Socket	
⚠	S1	QSP2210-061	Push Switch	
⚠	F1	QMF51A2-R63	Fuse	KD-V11A/E/E(D)/E(E)/EU
				KD-V11NA/NE/NE(D)/NE(E)/NU
⚠	F	QMF51A2-R63BS	"	KD-V11NB, KD-V11B
	[M.S. P.W. Board] {KD-V11E(E) NE(E) ONLY}			
	R501	QRD161J-394	C. Resistor	
	R502	" -103	"	
	C501	QFN41HR-103	M. Capacitor	
	C502	QFV41HJ-224	"	
	C503	QET41HR-104	E. Capacitor	
	C505	QEN51HA-106	"	
	IC501	LA2000S	I.C.	
	CN501	QMV5004-006	Connector	

Enclosure Assembly and Electrical Parts List

⚠	Ref. No.	Parts No.	Parts Name	Remarks	Q'ty
	1	VKL5391-001	Bracket		1
	2, 7	ZCKDV11Y-CBF	Front Panel Assembly	KD-V11A/B/C/E/E(D)/E(E)/J/U	1
	"	ZCKDV11NY-CBF	"	KD-V11NA/NB/NC/NE/NE(D)/NE(E)/NJ/NU	1
	2	VJC1280-002UL	Front Panel	KD-V11C/J	1
	"	" -001	"	KD-V11A/B/E/E(D)/E(E)/U	1
	"	" -004	"	KD-V11NA/NB/NE/NE(D)/NE(E)/NU	1
	"	" -005UL	"	KD-V11NC/NJ	1
	4	TFB313563-02	Plate Nut		1
	5	VYH5033-002	Damper Holder		1
	6	VYH4769-001	Gear	(Grease G-332)	1
	7	VJD3400-002	LED Lens	KD-V11A/B/E/E(D)/U	1
	"	" -003	"	KD-V11C/E(E)/J	1
	"	" -005	"	KD-V11NJ	1
	"	" -006	"	KD-V11NA/NB/NC/NE/NE(D)/NE(E)/NU	1
	8	VKC5165-001T	Tape Counter		1
	9	VKB3000-053	Belt	for Counter	1
	10	VKZ5383-001	Counter Bracket		1
	11	VJT2083-001	Cassette Holder		1
	12–13	ZCKDV11Y-CCA	Cassette Lid Assembly		1
	"	" NY-CCA	"		1
	12	VJT3110-001	Cassette Lid		1
	13	VJD4684-001	Lid Plate	KD-V11A/B/C/E/E(D)/J/U	1
	"	" -003	"	KD-V11E(E)	1
	"	" -004	"	KD-V11NA/NB/NC/NE/NE(D)/NJ/NU	1
	14	VKY4295-001	Cassette Spring		2
	15	VKY4397-001	Holder Spring		1
	16	VKY4252-001	Cassette Spring		1
	17	VJD3401-001	Mecha. Plate		1
	18	VXP3084-002	Push Knob	for Power KD-V11A/B/C/E/E(D)/E(E)/J/U	1
	"	" -003	"	" KD-V11NA/NB/NC/NE/NE(D)/NE(E)/NJ/NU	1
	19	VXQ4057-001	Select Knob	for Tape and NR Except KD-V11NJ	2
	"	" -002	"	" KD-V11NJ	2
	20	VKL4191-001	Volume Knob	Except KD-V11NJ	2
	"	" -002	"	KD-V11NJ	2
	21	VXP3094-001	Push Button	for Rec. Except KD-V11NJ	1
	"	" -007	"	" KD-V11NJ	1
	22	" -002	"	for Play Except KD-V11NJ	1
	"	" -008	"	" KD-V11NJ	1
	23	" -003	"	for Rew. Except KD-V11NJ	1
	"	" -009	"	" KD-V11NJ	1
	24	" -004	"	for FF Except KD-V11NJ	1
	"	" -010	"	" KD-V11NJ	1
	25	" -005	"	for Stop/Eject Except KD-V11NJ	1
	"	" -011	"	" KD-V11NJ	1
	26	" -006	"	for Pause Except KD-V11NJ	1
	"	" -012	"	" KD-V11NJ	1
	27	VJC1281-002	Top Cover	KD-V11A/B/C/E/E(D)/E(E)/J/U/NJ/NU	1
	"	" -003	"	KD-V11NA/NB/NC/NE/NE(D)/NE(E)	1
	28	VJC2112-001	Bottom Cover		1
	29	VJF4003-002	Foot		4
	30	VKW4398-002	Rec. Wire		1
	31	VYN2112-002PA	Name Plate	KD-V11B	1
	"	" -003PA	"	KD-V11A	1
	"	" -004PK	"	KD-V11C	1
	"	" -005PA	"	KD-V11E/E(D)	1
	"	" -006PA	"	KD-V11J	1
	"	" -007PA	"	KD-V11U	1
	"	" -109PA	"	KD-V11E(E)	1
	"	" -111PA	"	KD-V11E(SP)	1
	"	" -022PA	"	KD-V11NB	1

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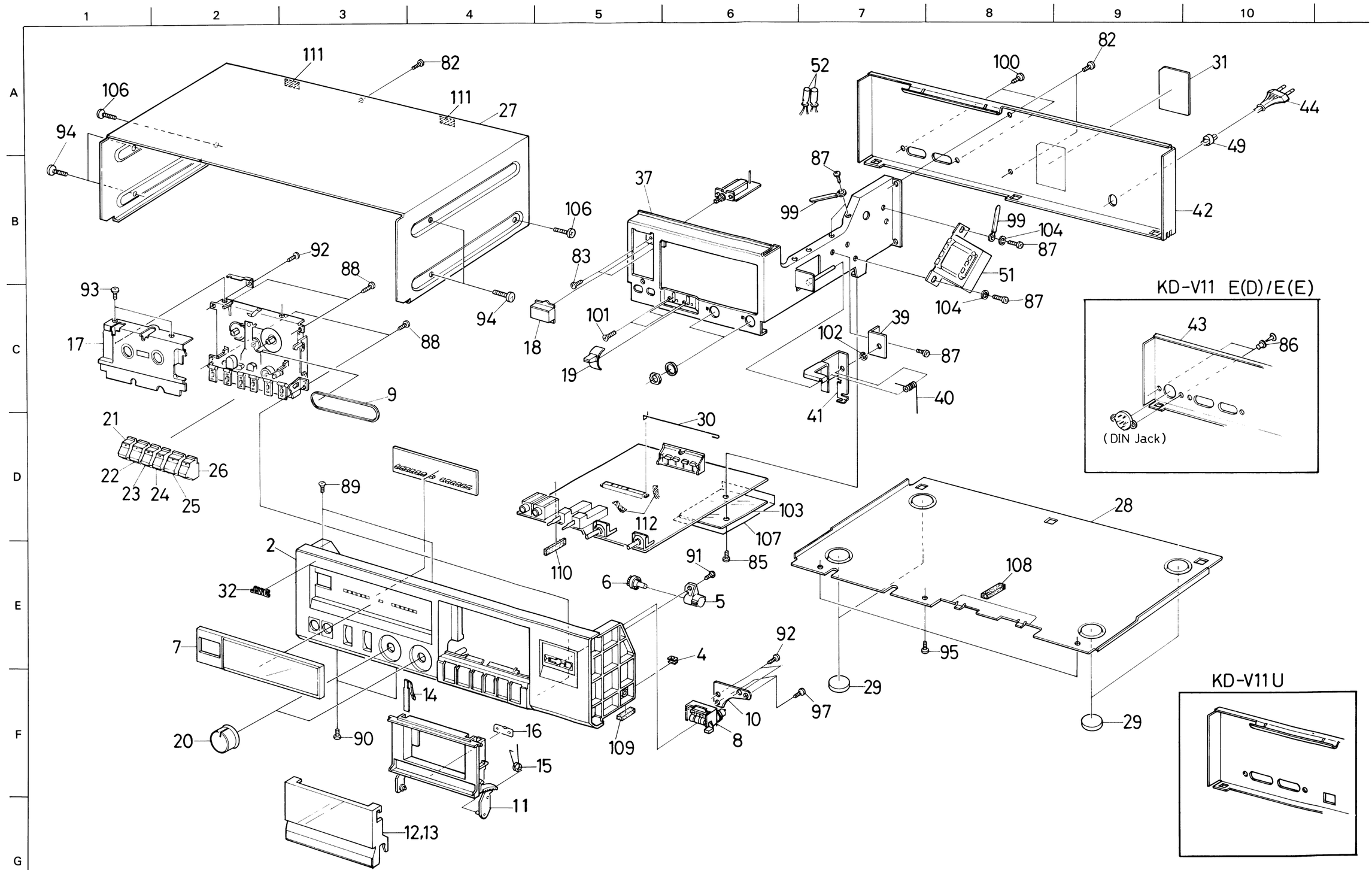
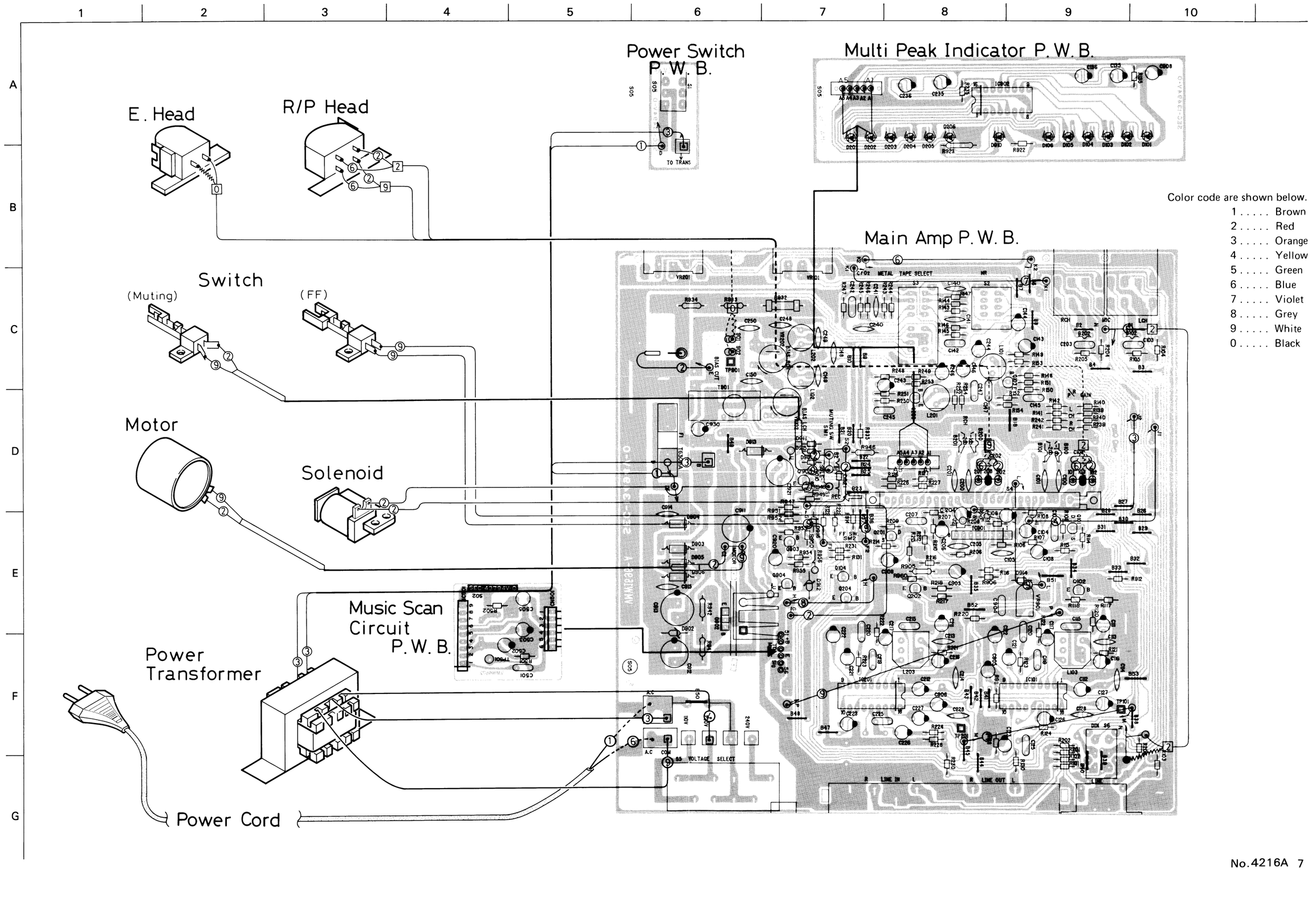
⚠	Ref. No.	Parts No.	Parts Name	Remarks	Q'ty
	31	VYN2112-023PA	Name Plate	KD-V11NA	1
	"	" -024PA	"	KD-V11NC	1
	"	" -025PA	"	KD-V11NE/NE(D)	1
	"	" -026PA	"	KD-V11NJ	1
	"	" -029PA	"	KD-V11NE(E)	1
	32	E69212-001	JVC Mark		1
	37	VKL2188-001	Amp. Chassis		1
	39	VKL5384-001	Rec. Bracket		1
	40	VKW4399-001	Rec. Spring		1
	41	VKL5385-001	Rec. Arm		1
	42	VJC2113-001	Rear Panel	KD-V11A/B/E, KD-V11NA/NB/NE	1
	"	" -002	"	KD-V11E(D)/E(E), KD-V11NE(D)/NE(E)	1
	"	" -008	"	KD-V11E(SP)	1
	43	" -003	"	KD-V11U, KD-V11NU	1
⚠	44	QMP9017-008BS	Power Cord	KD-V11B, KD-V11NB	1
⚠	"	QMP2560-200	"	KD-V11A, KD-V11NA	1
⚠	"	QMP1200-200	"	KD-V11C/J, KD-V11NC/NJ	1
⚠	"	QMP3900-200	"	KD-V11E/E(D)/E(E)/E(SP)/NE/NE(D)/NE(E)	1
⚠	"	QMP7600-200	"	KD-V11U, KD-V11NU	1
⚠	49	QHS3876-162	Strain Relief	Except KD-V11B, KD-V11NB	1
⚠	"	" -162BS	"	KD-V11B, KD-V11NB	1
⚠	51	VTP54M2-011B,BS	Power Transformer	KD-V11B, KD-V11NB	1
⚠	"	VTP54T2-021B	"	KD-V11A, KD-V11NA	1
⚠	"	VTP54A2-021B	"	KD-V11C/J, KD-V11NC/NJ	1
⚠	"	VTP54M2-011B	"	KD-V11E(E(D)/E(E)/E(SP)/NE/NE(D)/NE(E)	1
⚠	"	VTP54N2-011B	"	KD-V11U, KD-V11NU	1
⚠	52	TAW000504-01	Connector	KD-V11C/J, KD-V11NC/NJ	2
	82	SDST3006R	Screw	Rear Panel x 2, Top Cover x 1	3
	83	SDST3006Z	"	Power SW. Ass'y	2
	85	SDST3006Z	"		1
	86	E48729-002	Plastic Rivet	for DIN Socket	2
	87	SDST3006Z	Screw	Rec. Bracket x 1, P. Trans. x 2, Wire Holder x 2	5
	88	SDSF3008Z	"	Mechanism x 4	4
	89	SDST3008Z	"	Front x 2	2
	90	SSST3008Z	"	Front x 2	2
	91	SDSF3008Z	"	Damper x 1	1
	92	SDSF2605Z	"	Counter x 2, Wire Holder x 1	2
	93	SDST2604Z	"	Mecha. Plate x 2	2
	94	SDSB4012R	"	Top Cover	4
	95	SDSB3008Z	"	Bottom Cover	3
	96				
	97	SSSF3008Z	Screw	Counter Bracket x 2	2
	99	VKZ4001-011	Wire Holder		3
	100	SDSF3008R	Screw	for Jack	2
	101	SSSP3006Z	"	for Switch	2
	102	REE3000	E-ring	Rec. Arm	1
	103	VMA4177-002	Insulator	KD-V11A/B/E/E(D)/E(E)	1
				KD-V11U	2
	104	Q03091-105	Spacer		2
	105	VYSS1R3-001	"		
	106	SDSB4010R	Screw	Top Cover	2
	107	VMA4181-001	Insulator	KD-V11A/B/E/E(D)/E(E)	1
	108	VYSR108-001	Spacer		1
	109	VYSR105-005	Spacer		1
	110	VYSR102-022	Spacer		1
	111	VYSR101-015	Spacer		2
	112	VYSA1R6-042	Spacer		2

Enclosure Assembly and Electrical Parts



Wiring Connections



Mechanical Component Parts List

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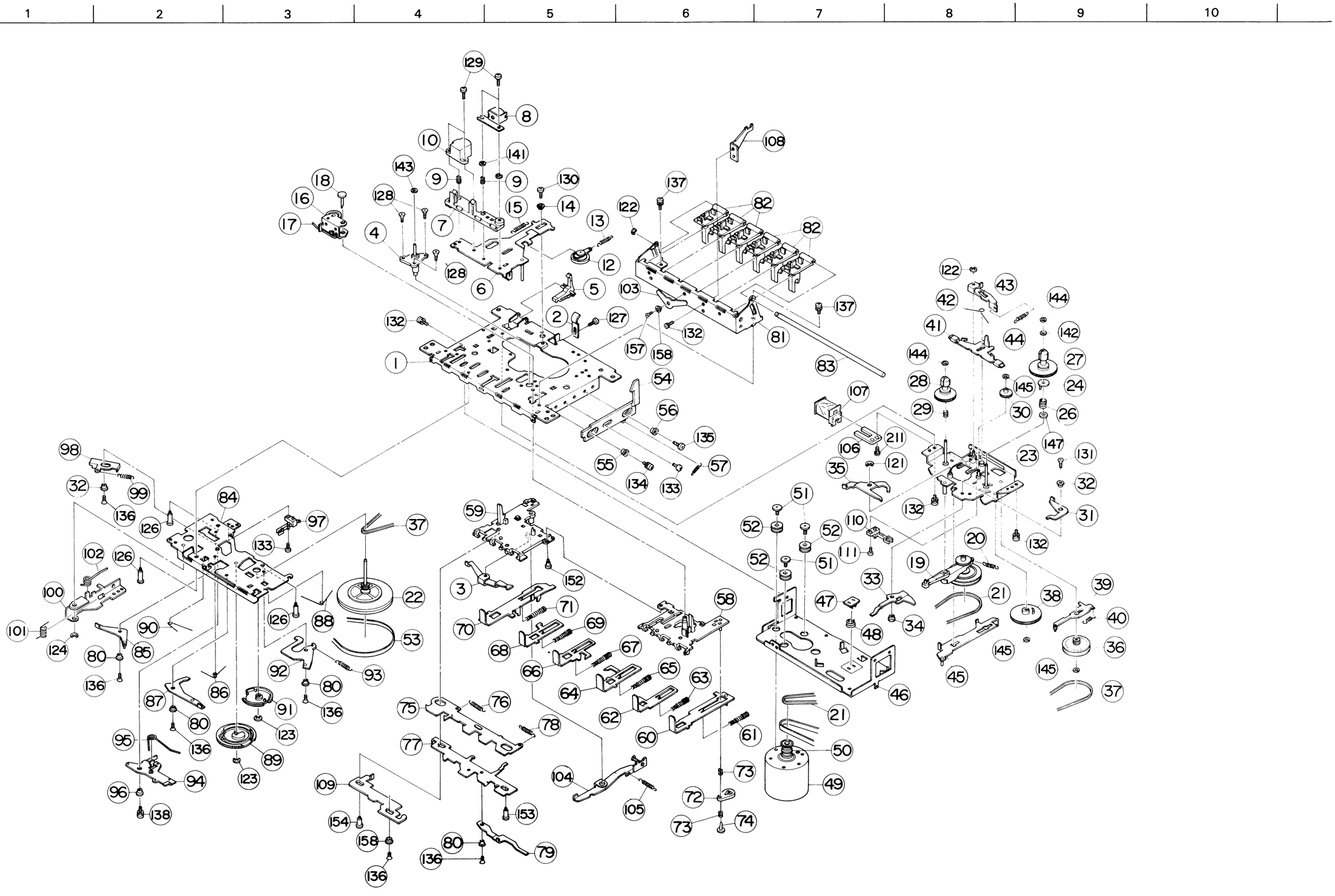
Ref. No.	Parts No.	Parts Name	Remarks	Q'ty
1	18200101T	Chassis Base		1
2	18200102T	Pack Spring		1
3	18200202T	Rec. Stopper		1
4	18201207T	FL. Metal		1
5	18000201T	Rec. Safety Lever		1
6	182003501ZT	Head Panel Ass'y		1
7	18200311T	Head Base		1
8	VGH0421-014	R/P Head		1
9	14400315T	Head Spring		2
10	VGH0212-104	E. Head		1
11	–	–		–
12	182003301ZT	Take-up Roller Plate Ass'y		1
13	18200312T	Spring	for T. Roller Plate	1
14	17100319AT	Head Panel Collar		1
15	18200302T	Spring	for Head Panel	1
16	182004303ZT	Pinch Roller Ass'y		1
17	18200403T	Pinch Roller Spring		1
18	17152015T	Stopper		1
19	182007301ZT	RF. Clutch Ass'y		1
20	18200704T	RF. Clutch Arm Spring		1
21	17150606T	RF. Belt		1
22	182012301ZT	Flywheel Ass'y		1
23	182005501ZT	Reel Bracket Ass'y		1
24	18200814T	A.S. Detect Piece		1
25	–	–		–
26	18200817T	A.S. Detect Piece Spring		1
27	182006301ZT	Take-up Reel Ass'y		1
28	182006302ZT	Supply Reel Ass'y		1
29	18200608T	Back Tension Spring		1
30	18000610T	F.F. Gear		1
31	18200910T	T.R. Kick Lever		1
32	18200806T	Collar		2
33	18200805T	Auto Lever		1
34	18200811T	Auto Lever Collar		1
35	18200911T	Kick Lever		1
36	18200801T	Pulley		1
37	18200809T	Auto Stop Belt		1
38	18200802T	Cam Gear		1
39	18200803T	Detect Lever		1
40	18200810T	Detect Lever Spring		1
41	182009301ZT	Brake Arm Ass'y		1
42	18200902T	Brake Spring		1
43	18200905T	A.S. Guard Lever		1
44	18200909T	A.S. Guard Lever Spring		1
45	18200903T	RF. Slide Lever		1
46	18201301T	FM Bracket		1
47	18201302T	FL. Thrust Plate		1
48	18201310T	Thrust Spring		1
⚠ 49	MMI-6A2LKUA	Motor		1
50	18201304T	Motor Pulley		1
51	18201305T	Collar Screw		3
52	18201306T	Rubber Cushion		3
53	18201303T	Main Belt		1
54	18201401T	Eject Slide Lever		1
55	18201402T	Collar		1
56	18201403T	Collar		1
57	15590306T	Spring	for Eject Slide Lever	1
58	18201001T	Button Base (L)		1
59	18201002T	" (R)		1
60	182010501ZT	Pause Button Lever Ass'y		1
61	18000903T	Button Lever Spring		1
62	18201022T	Stop Button Lever		1
63	18201027T	Button Lever Spring		1
64	18201021T	F.F. Button Lever		1
65	18000903T	Button Lever Spring		1
66	18201020T	RWD. Button Lever		1
67	18201026T	Button Lever Spring		1
68	18201019T	Play Button Lever		1
69	18201026T	Button Lever Spring		1
70	18201018T	Rec. Button Lever		1
71	18201026T	Button Lever Spring		1
72	18201041T	Pause Lever		1
73	18201034T	Pause Lever Spring		1
74	18201032T	Stopper		1
75	18201042T	Button Cam		1
76	15100929T	Spring	for Button Cam	1
77	18201010T	Switch Cam		1
78	18201031T	Spring	for Switch Cam	1
79	18201011T	Eject Kick Lever		1
80	18200806T	Collar		5
81	18201015T	Bottom Frame		1
82	18201028T	Function Lever		6
83	18201016T	Lever Shaft		1
84	182011501ZT	Sub Chassis Ass'y		1
85	182011502ZT	M. Trigger Arm Ass'y		1
86	18201126T	M. Trigger Arm Spring		1
87	182011503ZT	P. Trigger Arm Ass'y		1
88	18201127T	P. Trigger Arm Spring		1
89	18201103T	Main Gear		1
90	18201131T	Main Gear Spring		1
91	18201104T	Pause Gear		1
92	182011504ZT	Pause Arm Ass'y		1
93	17000932T	Spring	for Pause Arm	1
94	182011505ZT	Lift Arm Ass'y		1
95	18201129T	Lift Arm Spring		1
96	18201130T	Lift Arm Collar		1
97	64010107T	Leaf Switch	MSW-1412T	1
98	18201121T	Rec. Function Plate		1
99	17001612T	Spring	for Rec. Function Plate	1
100	18201122T	Rec. Arm		1

To be continued on page 10

Mechanical Component Parts of KD-V11E(E) and KD-V11NE(E)



Continued from page 8

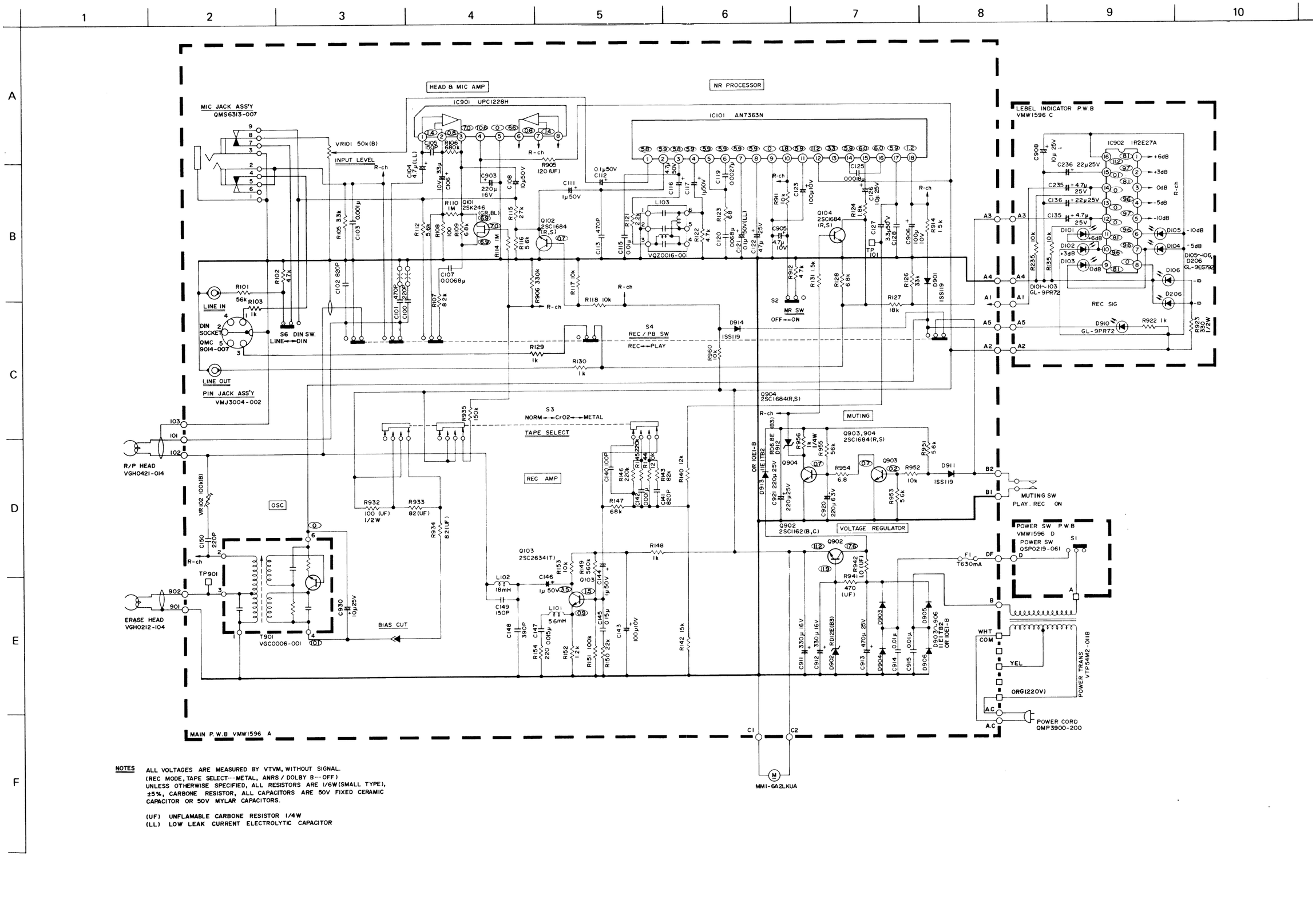
⚠ parts are safety assurance parts.
When replacing those parts, make sure to use the specified one.

Ref. No.	Parts No.	Parts Name	Remarks	Q'ty
101	18201124T	Rec. Arm Spring		1
102	18201136T	Rec. Dumper Spring		1
103	18201036T	RF. Stopper	KD-V11E(E) only	1
104	182015302ZT	M.S. Lever Ass'y	KD-V11E(E) only	1
105	18201505T	M.S. Lever Spring	KD-V11E(E) only	1
106	17001513T	Core B	KD-V11E(E) only	1
⚠107	182015301T	Coil Ass'y	KD-V11E(E) only	1
108	18201035T	Lever Shaft Stopper		1
109	18201013T	M.F. Function Plate	KD-V11E(E) only	1
110	MSW-1275	Leaf Switch	for F.F., Rew. KD-V11E(E) only	1
111	SPSP2004Z	Screw	for F.F., Rew. Leaf Switch KD-V11E(E) only	1
121	REE1200	E-Ring	Kick Lever	1
122	REE1500	"	A.S. Guard Lever x 1, Button Frame x 1	2
123	REE2000	"	Main Gear x 1, Pause Gear x 1	2
124	REE3000	"	Rec. Arm	1
125	–	–		–
126	18201137T	Collar Screw		3
127	SPST2603Z	TH. Tap. Screw	Pack Spring	1
128	SSSK2030M	Mini Screw	FL. Metal	3
129	SPSX2007Z	PM. Screw	R/P Head x 2, E. Head x 2	4
130	SDSP2604M	Screw	Head Panel Collar	1
131	SSSK2045M	Mini Screw	T.R. Kick Lever	1
132	LPSP2004Z	Ass'y Screw	Reel Bracket x 2, FM. Bracket x 1, L. Shaft Stopper x 1	4
133	SPSP2004Z	Screw	FM. Bracket x 1, Leaf Switch x 1	2
134	LPSP2006Z	Ass'y Screw	Eject Slide Lever	1
135	SPST2605Z	TH. Tap. Screw	"	1
136	SSSK2028M	Mini Screw	Collar x 1, M. Trigger Arm Spring x 1, P. Trigger Arm Spring x 1, Rec. Function Plate x 1	4
	SSK2025M	"	Collar	1
	SSK2025Z	"	M.S. Function Plate KD-V11E(E) only ly	1
137	LPSP2604Z	Ass'y Screw	Button Frame	2
138	LPSP2606Z	"	Lift Arm Spring	1
141	93160000T	Washer	Head Base	1
142	97880000T	Polyslider Washer	Thrust	1
143	93720000T	Nylon Washer	Oil Cut	1
144	97430000T	Polyslider Washer	Take-up Reel Ass'y x 1, Supply Reel Ass'y x 1	2
145	94210000T	"	F.F. Gear x 1, Pulley x 1, Cam Gear x 1	3
146	93500000T	Washer		1
147	–	–		–
148	97910000T	Polyslider Washer	Take-up Reel	1

Ref. No.	Parts No.	Parts Name	Remarks	Q'ty
152	18201025T	Collar Screw		1
153	18201029T	"		1
154	18201030T	"		1
157	SSSK2030Z	Mini Screw	RF. Stopper KD-V11E(E) only	1
158	18201014T	Collar	M.S. Function Plate, RF. Stopper KD-V11E(E) only	2
211	LPSP2005Z	Ass'y Screw	KD-V11E(E) only	1

Insertion

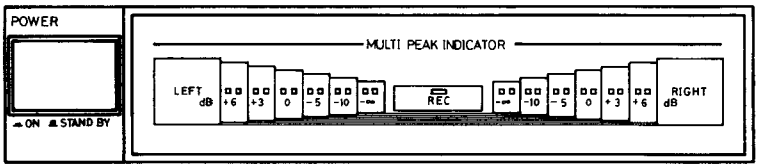
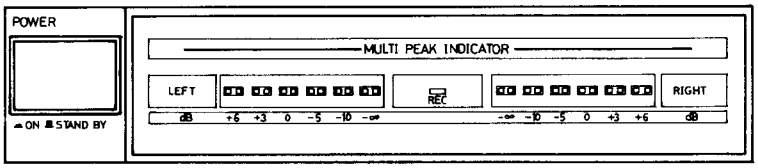
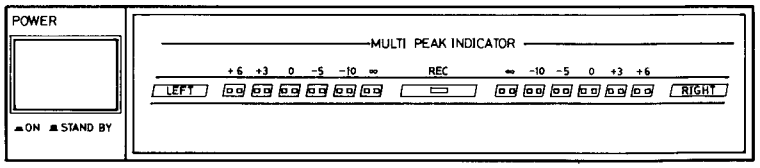
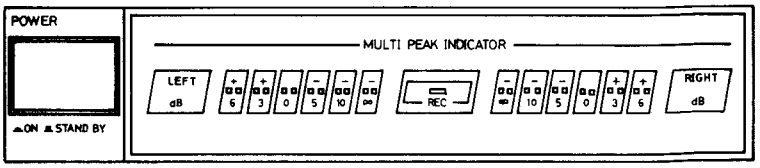
Standard Schematic of KD-V11E(D)



NOTES ALL VOLTAGES ARE MEASURED BY VTVM, WITHOUT SIGNAL.
(REC MODE, TAPE SELECT····METAL, ANRS / DOLBY B····OFF)
UNLESS OTHERWISE SPECIFIED, ALL RESISTORS ARE 1/6W(SMALL TYPE), ±5%, CARBONE RESISTOR, ALL CAPACITORS ARE 50V FIXED CERAMIC CAPACITOR OR 50V MYLAR CAPACITORS.

(UF) UNFLAMABLE CARBONE RESISTOR 1/4W
(LL) LOW LEAK CURRENT ELECTROLYTIC CAPACITOR

VJD3400-xxx LEDLENS LIST

MODEL	Parts No.	LEDLENS
KD-V11 C/J/E(E)	VJD3400-003	
KD-V11 A/B/E/E(D)/U	VJD3400-002	
KD-V11 NA/NB/NC NE/NU	VJD3400-006	
KD-V11NJ	VJD3400-005	

Accessories

Parts No.	Parts Name	Remarks	Q'ty
VMP0002-00D	Pin Cord		2
VNN0110-301	Instruction Book	KD-V11NB/NE/NE(D)/NE(E) KD-V11B/E/E(D)/E(E)	1
" -901	"	KD-V11NA/NC/NJ/NU KD-V11A/C/J/U	1
BT20060	Warranty Card	KD-V11B/NB	1
BT20066	"	"	1
TJL000443-01	Seal	"	1
TLT052401-01	Warning Label	KD-V11A/B/E/E(D)/E(E) KD-V11NA/NB/NE/NE(D)/NE(E)	1
QZL1002-003	"	KD-V11B/NB	1
VNC5004-001	Mark Sticker	KD-V11B/E/E(D)/E(E) KD-V11NB/NE/NE(D)/NE(E)	1
VPZ4001-001	Serial Ticket		1
BT20029C	Warranty Card	KD-V11A/NA	1
BT20025F	"	KD-V11C/NC	1
T44362-001	CSA Mark	KD-V11C/NC	1
BT20047A	Warranty Card	KD-V11J/NJ	1
BT20046B	Special Reply Card	KD-V11J/U/NJ/NU	1
BT20044B	Safety Instruction	KD-V11J/U/NJ/NU	1
TLT000505-01	Caution Seal	KD-V11J/U/NJ/NU	1
V04062-001	Siemens Plug	KD-V11U/NU	1
VND4037-002	F. Mark	KD-V11E(D)/NE(D)	1
BT20064	Warranty Card	KD-V11E(D)/NE(D)	1
BT20066	"	KD-V11E(D)/NE(D)	1
BT20047A	"	KD-V11U/NU	1
VNC5311-101	C. Card	for E.E.S.	1

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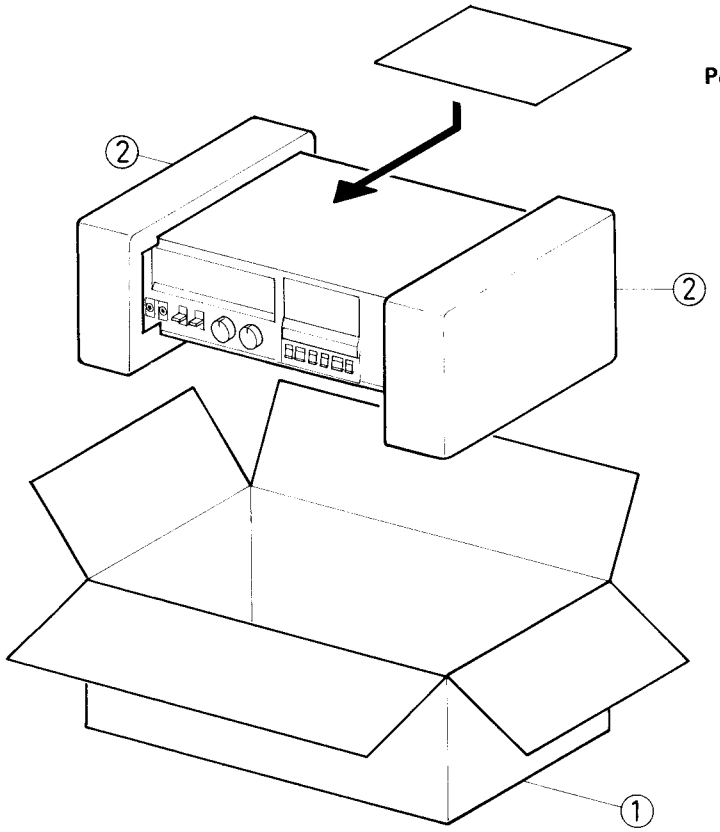
Ref. No	Parts No.	Parts Name	Remarks	Q'ty
146	93500000T	Washer		
152	18201025T	Collar Screw		1
153	18201029T	"		1
154	18201030T	"		1

Packing



Positions of controls and switch knobs at renewed packing

Power switch	:	OFF
Record input level control	:	MIN
NR system switch	:	OFF
Tape select switch	:	NORM
Counter	:	0 0 0
Mecha. operation button	:	OFF

Packing Parts List

Ref. No.	Parts No.	Parts Name	Remarks	Q'ty
1	VPD2112-J02	Carton	KD-V11B	1
	VPD2112-J03	"	KD-V11A	1
	VPD2112-J04	"	KD-V11C	1
	VPD2112-J05	"	KD-V11E	1
	VPD2112-J06	"	KD-V11J	1
	VPD2112-J07	"	KD-V11U	1
	VPD2112-J08	"	KD-V11E(D)	1
2	VPH2180-001	Cushion		2
	VPE4002-005	Poly Bag	for Unit KD-V11B	1
	QPGA060-06005	"	for Unit KD-V11A/C/E/J/U/E(D)	1
	VPE4002-004	"	for Instruction Book KD-V11B	1
	AP4056B-077	Envelope	for Instruction KD-V11A/C/E/J/U/E(D)	1
	TKS000501-08	Sheet	for Unit	1
	AP4056A-36	Envelope	for Pin Cord	1
	Q04141H	Wire Clamp	for Power Cord	1
		VPK4166-001	SUPPORTOR	1

Accessories

Parts No.	⚠	Parts Name	Remarks	Q'ty
VMP0002-00D		Pin Cord		2
VNN0110-301		Instruction Book	KD-V11E/ED	1
VNN0110-901		"	KD-V11J/A/U/C	1
BT20047A		Warranty Card	KD-V11J/C	1
BT20029C		"	KD-V11A	1
BT20025E		"	KD-V11C	1
BT20057		"	KD-V11E(D)	1
BT20046B		Special Reply Card	KD-V11J/U	1
BT20013C		Guaranty Certificate	KD-V11B	1
TJL000443-01		Seal	Made in Japan KD-V11B	1
TLT000505-01		UL/CSA Caution Label	KD-V11J	1
BT20044D		Safety Instruction		1
TLT052401-01		Warning Label	KD-V11E/A/E(D)	1
QZL1002-003		"	for 2-pin Power Cord KD-V11B	1
VNC5004-001		Mark Sticker	DIN 45500 KD-V11E/E(D)	1
VNC5311-101		Caution Card	KD-V11U	1
V04062-001	⚠	Siemens Plug	KD-V11U	1
VPZ4001-001		Serial Ticket	KD-V11J/E/B/A/U/E(D)	1
T43758-003		"	KD-V11C	1
VND4037-001		F. Mark Label	KD-V11E(D)	1
VND4015-002		DIN Label	KD-V11E(D)	1
VNC5315-102		Instruction Sheet	KD-V11E(D)	1
T44362-001		CSA Mark	KD-V11C	1
E66416-003		Envelope	KD-V11J/U for W. Card	1

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